



事 務 連 絡  
令和元年 12 月 10 日

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厚生労働省医薬・生活衛生局医薬品審査管理課

医薬品添加物規格 2018 の正誤表の送付について

平成 30 年 3 月 29 日付け薬生発 0329 第 1 号厚生労働省医薬・生活衛生局長通知「医薬品添加物規格 2018 について」につき、今般、訂正すべき事項があることから、別添のとおり正誤表を送付いたします。

(別添)

## 医薬品添加物規格 2018 正誤表

| 番号 | 通知の頁 | 行    | 試験法名・成分名等                             | 項目    | 誤                     | 正                    |
|----|------|------|---------------------------------------|-------|-----------------------|----------------------|
| 1  | 57   | 下 10 | アジピン酸ジイソブチル                           | 屈折率   | $n_{D}^{25}$          | $n_{D}^{20}$         |
| 2  | 57   | 下 9  | アジピン酸ジイソブチル                           | 比重    | $d_{20}^{20}$         | $d_{15}^{15}$        |
| 3  | 58   | 下 9  | アジピン酸ジイソプロピル                          | 屈折率   | $n_{D}^{25}$          | $n_{D}^{20}$         |
| 4  | 98   | 1    | アンモニオアルキルメタクリレートコポリマー                 | 成分コード | <u>109100</u>         | <u>109219</u>        |
| 5  | 124  | 1    | 液糖                                    | 表 2   | 別紙 1 のとおり             | 別紙 2 のとおり            |
| 6  | 165  | 7    | オキシキノリン硫酸塩水和物                         | 基原    | オキシキノリン硫酸塩 <u>水和物</u> | オキシキノリン硫酸塩           |
| 7  | 185  | 1    | 果糖ブドウ糖液糖                              | 成分コード | <u>110715</u>         | <u>110714</u>        |
| 8  | 185  | 下 1  | 果糖ブドウ糖液糖                              | 強熱残分  | <u>0.5%以下 (2g)</u>    | <u>0.05%以下 (2g)</u>  |
| 9  | 187  | 下 5  | カプリル酸ナトリウム                            | 定量法   | 酢酸 (100)              | 酢酸 (100) <u>50mL</u> |
| 10 | 275  | 10   | ケイ酸処理結晶セルロース                          | 表     | 別紙 3 のとおり             | 別紙 4 のとおり            |
| 11 | 320  | 1    | 米粉                                    | 成分コード | <u>103598</u>         | <u>120353</u>        |
| 12 | 376  | 1    | ジメチルポリシロキサン・二酸化ケイ素混合物                 | 成分コード | <u>005228</u>         | <u>109507</u>        |
| 13 | 501  | 1    | 2,2',2''-ニトリロトリエタノール                  | 成分コード | <u>001446</u>         | <u>523388</u>        |
| 14 | 509  | 1    | ノナン酸バニリルアミド                           | 成分コード | <u>007801</u>         | <u>502108</u>        |
| 15 | 633  | 1    | ポリオキシエチレン (20) ポリオキシプロピレン (8) セチルエーテル | 成分コード | <u>1088059</u>        | <u>108805</u>        |
| 16 | 728  | 1    | メタクリル酸・アクリル酸 n-ブチルコポリマー               | 成分コード | <u>110398</u>         | <u>110389</u>        |

(別紙1)

表2 レフブリックス度温度補正表 (20℃)

| 測定温度<br>(℃) | レフブリックス度 |      |      |             |      |      |      |      |          |      |      |      |      |      |      |      |      |      |
|-------------|----------|------|------|-------------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|
|             | 0        | 5    | 10   | 15          | 20   | 25   | 30   | 35   | 40       | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |
| 15          | 0.29     | 0.30 | 0.32 | 0.33        | 0.34 | 0.35 | 0.36 | 0.37 | 測定値より差引く |      | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| 16          | 0.24     | 0.25 | 0.26 | 0.27        | 0.28 | 0.28 | 0.29 | 0.30 | 0.30     | 0.30 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 |
| 17          | 0.18     | 0.19 | 0.20 | 0.20        | 0.21 | 0.21 | 0.22 | 0.22 | 0.23     | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 |
| 18          | 0.12     | 0.13 | 0.13 | 0.14        | 0.14 | 0.14 | 0.15 | 0.15 | 0.15     | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 19          | 0.06     | 0.06 | 0.07 | <u>0.37</u> | 0.07 | 0.07 | 0.07 | 0.08 | 0.08     | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 |
| 21          | 0.06     | 0.07 | 0.07 | 0.07        | 0.07 | 0.07 | 0.08 | 0.08 | 測定値に加える  |      | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 |
| 22          | 0.13     | 0.14 | 0.14 | 0.14        | 0.15 | 0.15 | 0.15 | 0.15 | 0.16     | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 |
| 23          | 0.20     | 0.21 | 0.21 | 0.22        | 0.22 | 0.23 | 0.23 | 0.23 | 0.23     | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 |
| 24          | 0.27     | 0.28 | 0.29 | 0.29        | 0.30 | 0.30 | 0.31 | 0.31 | 0.31     | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 |
| 25          | 0.34     | 0.35 | 0.36 | 0.37        | 0.38 | 0.38 | 0.39 | 0.39 | 0.40     | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.37 |
| 26          | 0.42     | 0.43 | 0.44 | 0.45        | 0.46 | 0.46 | 0.47 | 0.47 | 0.48     | 0.48 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 | 0.46 | 0.46 | 0.45 |
| 27          | 0.50     | 0.51 | 0.52 | 0.53        | 0.54 | 0.55 | 0.55 | 0.56 | 0.56     | 0.56 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.54 | 0.53 | 0.52 |
| 28          | 0.58     | 0.59 | 0.60 | 0.61        | 0.62 | 0.63 | 0.64 | 0.64 | 0.64     | 0.65 | 0.65 | 0.64 | 0.64 | 0.63 | 0.63 | 0.62 | 0.61 | 0.60 |
| 29          | 0.66     | 0.67 | 0.68 | 0.70        | 0.71 | 0.71 | 0.72 | 0.73 | 0.73     | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.69 | 0.67 |
| 30          | 0.74     | 0.76 | 0.77 | 0.78        | 0.79 | 0.80 | 0.81 | 0.81 | 0.82     | 0.82 | 0.81 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.76 | 0.75 |
| 31          | 0.83     | 0.84 | 0.85 | 0.87        | 0.88 | 0.89 | 0.89 | 0.90 | 0.90     | 0.90 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 | 0.86 | 0.84 | 0.82 |
| 32          | 0.92     | 0.93 | 0.94 | 0.96        | 0.97 | 0.98 | 0.98 | 0.99 | 0.99     | 0.99 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.93 | 0.92 | 0.90 |
| 33          | 1.01     | 1.02 | 1.03 | 1.05        | 1.06 | 1.07 | 1.07 | 1.08 | 1.08     | 1.08 | 1.07 | 1.07 | 1.06 | 1.04 | 1.03 | 1.01 | 1.00 | 0.98 |
| 34          | 1.10     | 1.11 | 1.13 | 1.14        | 1.15 | 1.16 | 1.16 | 1.17 | 1.17     | 1.16 | 1.16 | 1.15 | 1.14 | 1.13 | 1.11 | 1.09 | 1.07 | 1.05 |
| 35          | 1.19     | 1.21 | 1.22 | 1.23        | 1.24 | 1.25 | 1.25 | 1.26 | 1.26     | 1.25 | 1.25 | 1.24 | 1.23 | 1.21 | 1.19 | 1.17 | 1.15 | 1.13 |
| 36          | 1.29     | 1.30 | 1.31 | 1.33        | 1.34 | 1.34 | 1.35 | 1.35 | 1.35     | 1.34 | 1.34 | 1.33 | 1.31 | 1.29 | 1.28 | 1.25 | 1.23 | 1.20 |
| 37          | 1.39     | 1.40 | 1.41 | 1.42        | 1.43 | 1.44 | 1.44 | 1.44 | 1.44     | 1.43 | 1.43 | 1.41 | 1.40 | 1.38 | 1.36 | 1.33 | 1.31 | 1.28 |
| 38          | 1.49     | 1.50 | 1.51 | 1.52        | 1.53 | 1.53 | 1.54 | 1.54 | 1.53     | 1.53 | 1.52 | 1.50 | 1.48 | 1.46 | 1.44 | 1.42 | 1.39 | 1.36 |
| 39          | 1.59     | 1.60 | 1.61 | 1.62        | 1.63 | 1.63 | 1.63 | 1.63 | 1.63     | 1.62 | 1.61 | 1.59 | 1.57 | 1.55 | 1.52 | 1.50 | 1.47 | 1.43 |
| 40          | 0.69     | 0.70 | 1.71 | 1.72        | 1.73 | 1.73 | 1.73 | 1.73 | 1.72     | 1.71 | 1.70 | 1.68 | 1.66 | 1.63 | 1.61 | 1.58 | 1.54 | 1.51 |

(別紙2)

表2 レフブリックス度温度補正表 (20℃)

| 測定温度<br>(℃) | レフブリックス度 |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |      |      |
|-------------|----------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|------|
|             | 0        | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40       | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   |      |
| 15          | 0.29     | 0.30 | 0.32 | 0.33 | 0.34 | 0.35 | 0.36 | 0.37 | 測定値より差引く |      | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| 16          | 0.24     | 0.25 | 0.26 | 0.27 | 0.28 | 0.28 | 0.29 | 0.30 | 0.30     | 0.30 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.30 | 0.30 |
| 17          | 0.18     | 0.19 | 0.20 | 0.20 | 0.21 | 0.21 | 0.22 | 0.22 | 0.23     | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 |
| 18          | 0.12     | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15     | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 19          | 0.06     | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 測定値に加える  |      | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 |
| 21          | 0.06     | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08     | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 |
| 22          | 0.13     | 0.14 | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.16     | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 23          | 0.20     | 0.21 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 | 0.23     | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.23 | 0.23 | 0.23 | 0.23 | 0.22 |
| 24          | 0.27     | 0.28 | 0.29 | 0.29 | 0.30 | 0.30 | 0.31 | 0.31 | 0.31     | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 |
| 25          | 0.34     | 0.35 | 0.36 | 0.37 | 0.38 | 0.38 | 0.39 | 0.39 | 0.40     | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.39 | 0.39 | 0.38 | 0.38 | 0.37 |
| 26          | 0.42     | 0.43 | 0.44 | 0.45 | 0.46 | 0.46 | 0.47 | 0.47 | 0.48     | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.47 | 0.47 | 0.46 | 0.46 | 0.45 |
| 27          | 0.50     | 0.51 | 0.52 | 0.53 | 0.54 | 0.55 | 0.55 | 0.56 | 0.56     | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.54 | 0.53 | 0.52 |
| 28          | 0.58     | 0.59 | 0.60 | 0.61 | 0.62 | 0.63 | 0.64 | 0.64 | 0.64     | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 | 0.63 | 0.63 | 0.62 | 0.61 | 0.60 |
| 29          | 0.66     | 0.67 | 0.68 | 0.70 | 0.71 | 0.71 | 0.72 | 0.73 | 0.73     | 0.73 | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.69 | 0.67 |
| 30          | 0.74     | 0.76 | 0.77 | 0.78 | 0.79 | 0.80 | 0.81 | 0.81 | 0.82     | 0.82 | 0.81 | 0.81 | 0.80 | 0.80 | 0.79 | 0.78 | 0.76 | 0.75 | 0.75 |
| 31          | 0.83     | 0.84 | 0.85 | 0.87 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90     | 0.90 | 0.90 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 | 0.86 | 0.84 | 0.82 |
| 32          | 0.92     | 0.93 | 0.94 | 0.96 | 0.97 | 0.98 | 0.98 | 0.99 | 0.99     | 0.99 | 0.99 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.93 | 0.92 | 0.90 |
| 33          | 1.01     | 1.02 | 1.03 | 1.05 | 1.06 | 1.07 | 1.07 | 1.08 | 1.08     | 1.08 | 1.07 | 1.07 | 1.06 | 1.04 | 1.03 | 1.01 | 1.00 | 0.98 | 0.98 |
| 34          | 1.10     | 1.11 | 1.13 | 1.14 | 1.15 | 1.16 | 1.16 | 1.17 | 1.17     | 1.16 | 1.16 | 1.15 | 1.14 | 1.13 | 1.11 | 1.09 | 1.07 | 1.05 | 1.05 |
| 35          | 1.19     | 1.21 | 1.22 | 1.23 | 1.24 | 1.25 | 1.25 | 1.26 | 1.26     | 1.25 | 1.25 | 1.24 | 1.23 | 1.21 | 1.19 | 1.17 | 1.15 | 1.13 | 1.13 |
| 36          | 1.29     | 1.30 | 1.31 | 1.33 | 1.34 | 1.34 | 1.35 | 1.35 | 1.35     | 1.34 | 1.34 | 1.33 | 1.31 | 1.29 | 1.28 | 1.25 | 1.23 | 1.20 | 1.20 |
| 37          | 1.39     | 1.40 | 1.41 | 1.42 | 1.43 | 1.44 | 1.44 | 1.44 | 1.44     | 1.43 | 1.43 | 1.41 | 1.40 | 1.38 | 1.36 | 1.33 | 1.31 | 1.28 | 1.28 |
| 38          | 1.49     | 1.50 | 1.51 | 1.52 | 1.53 | 1.53 | 1.54 | 1.54 | 1.53     | 1.53 | 1.52 | 1.50 | 1.48 | 1.46 | 1.44 | 1.42 | 1.39 | 1.36 | 1.36 |
| 39          | 1.59     | 1.60 | 1.61 | 1.62 | 1.63 | 1.63 | 1.63 | 1.63 | 1.63     | 1.62 | 1.61 | 1.59 | 1.57 | 1.55 | 1.52 | 1.50 | 1.47 | 1.43 | 1.43 |
| 40          | 1.69     | 1.70 | 1.71 | 1.72 | 1.73 | 1.73 | 1.73 | 1.73 | 1.72     | 1.71 | 1.70 | 1.68 | 1.66 | 1.63 | 1.61 | 1.58 | 1.54 | 1.51 | 1.51 |

(別紙3)

相対粘度  $\eta_{rel}$  から極限粘度との濃度の積  $[\eta]C$  を求める表

| $\eta_{rel}$ | $[\eta]C$    |       |              |              |              |              |              |              |       |              |
|--------------|--------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|
|              | 0            | 0.01  | 0.02         | 0.03         | 0.04         | 0.05         | 0.06         | 0.07         | 0.08  | 0.09         |
| 1.1          | 0.098        | 0.106 | 0.115        | 0.125        | 0.134        | 0.143        | 0.152        | 0.161        | 0.170 | 0.180        |
| 1.2          | 0.189        | 0.198 | 0.207        | 0.216        | 0.225        | 0.233        | 0.242        | 0.250        | 0.259 | 0.268        |
| 1.3          | 0.276        | 0.285 | 0.293        | 0.302        | 0.310        | 0.318        | 0.326        | 0.334        | 0.342 | 0.350        |
| 1.4          | 0.358        | 0.367 | 0.375        | 0.383        | 0.391        | 0.399        | <u>0.470</u> | 0.414        | 0.422 | 0.430        |
| 1.5          | 0.437        | 0.445 | 0.453        | 0.460        | <u>0.486</u> | 0.476        | 0.484        | 0.491        | 0.499 | 0.507        |
| 1.6          | 0.515        | 0.522 | 0.529        | 0.536        | 0.544        | 0.551        | 0.558        | 0.566        | 0.573 | 0.580        |
| 1.7          | 0.587        | 0.595 | 0.602        | 0.608        | 0.615        | 0.622        | 0.629        | 0.636        | 0.642 | 0.649        |
| 1.8          | 0.656        | 0.663 | 0.670        | 0.677        | 0.683        | 0.690        | 0.697        | 0.704        | 0.710 | 0.717        |
| 1.9          | 0.723        | 0.730 | 0.736        | 0.743        | 0.749        | 0.756        | 0.762        | 0.769        | 0.775 | 0.782        |
| 2.0          | 0.788        | 0.795 | 0.802        | 0.809        | 0.815        | 0.821        | 0.827        | 0.833        | 0.840 | 0.846        |
| 2.1          | 0.852        | 0.858 | 0.864        | 0.870        | 0.876        | 0.882        | 0.888        | 0.894        | 0.900 | 0.906        |
| 2.2          | 0.912        | 0.918 | 0.924        | 0.929        | 0.935        | 0.941        | 0.948        | <u>0.985</u> | 0.959 | 0.965        |
| 2.3          | 0.971        | 0.976 | 0.983        | 0.988        | <u>0.944</u> | 1.000        | 1.006        | 1.011        | 1.017 | 1.022        |
| 2.4          | 1.028        | 1.033 | 1.039        | 1.044        | 1.050        | 1.056        | 1.061        | 1.067        | 1.072 | 1.078        |
| 2.5          | 1.083        | 1.089 | 1.094        | 1.100        | 1.105        | 1.111        | 1.116        | 1.121        | 1.126 | 1.131        |
| 2.6          | 1.137        | 1.142 | 1.147        | 1.153        | <u>1.128</u> | 1.163        | 1.169        | 1.174        | 1.179 | 1.184        |
| 2.7          | 1.190        | 1.195 | 1.200        | 1.205        | 1.210        | 1.215        | 1.220        | 1.225        | 1.230 | 1.235        |
| 2.8          | 1.240        | 1.245 | 1.250        | 1.255        | 1.260        | 1.265        | 1.270        | 1.275        | 1.280 | <u>1.185</u> |
| 2.9          | 1.290        | 1.295 | 1.300        | 1.305        | 1.310        | 1.314        | 1.319        | 1.324        | 1.329 | 1.333        |
| 3.0          | 1.338        | 1.343 | 1.348        | <u>1.652</u> | 1.357        | 1.362        | 1.367        | 1.371        | 1.376 | 1.381        |
| 3.1          | 1.386        | 1.390 | 1.395        | 1.400        | 1.405        | 1.409        | 1.414        | <u>4.418</u> | 1.423 | 1.427        |
| 3.2          | 1.432        | 1.436 | 1.441        | 1.446        | 1.450        | 1.455        | 1.459        | <u>1.486</u> | 1.468 | 1.473        |
| 3.3          | 1.477        | 1.482 | 1.486        | 1.491        | 1.496        | 1.500        | 1.504        | 1.508        | 1.513 | 1.517        |
| 3.4          | 1.521        | 1.525 | 1.529        | 1.533        | 1.537        | 1.542        | 1.546        | 1.550        | 1.554 | 1.558        |
| 3.5          | 1.562        | 1.566 | 1.570        | 1.575        | 1.579        | 1.583        | 1.587        | 1.591        | 1.595 | 1.600        |
| 3.6          | 1.604        | 1.608 | 1.612        | 1.617        | 1.621        | 1.625        | 1.629        | 1.633        | 1.637 | 1.642        |
| 3.7          | 1.646        | 1.650 | 1.654        | 1.658        | 1.662        | 1.666        | 1.671        | 1.675        | 1.679 | 1.683        |
| 3.8          | 1.687        | 1.691 | 1.695        | 1.700        | 1.704        | 1.708        | 1.712        | 1.715        | 1.719 | 1.723        |
| 3.9          | 1.727        | 1.731 | 1.735        | 1.739        | 1.742        | 1.746        | 1.750        | 1.754        | 1.758 | 1.762        |
| 4.0          | 1.765        | 1.769 | 1.773        | 1.777        | 1.781        | 1.785        | 1.789        | 1.792        | 1.796 | 1.800        |
| 4.1          | 1.804        | 1.808 | 1.811        | 1.815        | 1.819        | 1.822        | 1.826        | 1.830        | 1.833 | 1.837        |
| 4.2          | 1.841        | 1.845 | 1.848        | 1.852        | 1.856        | 1.859        | 1.863        | 1.867        | 1.870 | 1.874        |
| 4.3          | 1.878        | 1.882 | 1.885        | 1.889        | 1.893        | 1.896        | 1.900        | 1.904        | 1.907 | 1.911        |
| 4.4          | 1.914        | 1.918 | 1.921        | 1.925        | 1.929        | 1.932        | 1.936        | <u>1.934</u> | 1.943 | 1.946        |
| 4.5          | 1.950        | 1.954 | 1.957        | 1.961        | 1.964        | 1.968        | 1.971        | 1.975        | 1.979 | 1.982        |
| 4.6          | 1.986        | 1.989 | 1.993        | 1.996        | 2.000        | 2.003        | 2.007        | 2.010        | 2.013 | <u>2.170</u> |
| 4.7          | 2.020        | 2.023 | 2.027        | <u>2.060</u> | 2.033        | 2.037        | 2.040        | 2.043        | 2.047 | 2.050        |
| 4.8          | 2.053        | 2.057 | 2.060        | 2.063        | 2.067        | 2.070        | 2.073        | 2.077        | 2.080 | 2.083        |
| 4.9          | 2.087        | 2.090 | 2.093        | 2.097        | 2.100        | 2.103        | 2.107        | 2.110        | 2.113 | 2.116        |
| 5.0          | <u>2.009</u> | 2.122 | 2.125        | 2.129        | 2.132        | 2.135        | 2.139        | 2.142        | 2.145 | 2.148        |
| 5.1          | 2.151        | 2.154 | 2.158        | 2.160        | 2.164        | 2.167        | 2.170        | 2.173        | 2.176 | 2.180        |
| 5.2          | 2.183        | 2.186 | 2.190        | 2.192        | 2.195        | 2.197        | 2.200        | 2.203        | 2.206 | 2.209        |
| 5.3          | 2.212        | 2.215 | 2.218        | 2.221        | 2.224        | 2.227        | 2.230        | 2.233        | 2.236 | 2.240        |
| 5.4          | 2.243        | 2.246 | 2.249        | 2.252        | 2.255        | 2.258        | 2.261        | 2.264        | 2.267 | 2.270        |
| 5.5          | 2.273        | 2.276 | 2.279        | 2.282        | 2.285        | 2.288        | 2.291        | 2.294        | 2.297 | 2.300        |
| 5.6          | 2.303        | 2.306 | 2.309        | 2.312        | 2.315        | 2.318        | 2.320        | 2.324        | 2.326 | 2.329        |
| 5.7          | 2.332        | 2.335 | 2.338        | 2.341        | 2.344        | 2.347        | 2.350        | 2.353        | 2.355 | 2.358        |
| 5.8          | 2.361        | 2.364 | 2.367        | 2.370        | 2.373        | <u>2.367</u> | 2.379        | 2.382        | 2.384 | 2.387        |
| 5.9          | 2.390        | 2.393 | <u>2.369</u> | 2.400        | 2.403        | 2.405        | 2.408        | 2.411        | 2.414 | 2.417        |

相対粘度  $\eta_{rel}$  から極限粘度との濃度の積  $[\eta]C$  を求める表 (続き)

| $\eta_{rel}$ | $[\eta]C$    |              |             |       |             |              |              |              |       |       |
|--------------|--------------|--------------|-------------|-------|-------------|--------------|--------------|--------------|-------|-------|
|              | 0.00         | 0.01         | 0.02        | 0.03  | 0.04        | 0.05         | 0.06         | 0.07         | 0.08  | 0.09  |
| 6.0          | 2.419        | 2.422        | 2.425       | 2.428 | 2.431       | <u>2.436</u> | 2.436        | 2.439        | 2.442 | 2.444 |
| 6.1          | 2.447        | 2.450        | 2.453       | 2.456 | 2.458       | 2.461        | 2.464        | 2.467        | 2.470 | 2.472 |
| 6.2          | 2.475        | <u>2.487</u> | 2.481       | 2.483 | 2.486       | 2.489        | <u>4.492</u> | <u>2.484</u> | 2.497 | 2.500 |
| 6.3          | 2.503        | 2.505        | 2.508       | 2.511 | 2.513       | 2.516        | 2.518        | 2.521        | 2.524 | 2.526 |
| 6.4          | 2.529        | 2.532        | 2.534       | 2.537 | 2.540       | 2.542        | 2.545        | 2.547        | 2.550 | 2.553 |
| 6.5          | 2.555        | 2.558        | 2.561       | 2.563 | 2.566       | 2.568        | 2.571        | 2.574        | 2.576 | 2.579 |
| 6.6          | 2.581        | 2.584        | 2.587       | 2.590 | 2.592       | 2.595        | 2.597        | 2.600        | 2.603 | 2.605 |
| 6.7          | <u>2.607</u> | 2.610        | 2.613       | 2.615 | 2.618       | 2.620        | 2.623        | 2.625        | 2.627 | 2.630 |
| 6.8          | 2.633        | 2.635        | 2.637       | 2.640 | 2.643       | 2.645        | 2.648        | 2.650        | 2.653 | 2.655 |
| 6.9          | 2.658        | 2.660        | 2.663       | 2.665 | 2.668       | 2.670        | 2.673        | 2.675        | 2.678 | 2.680 |
| 7.0          | 2.683        | 2.685        | 2.687       | 2.690 | 2.693       | 2.695        | 2.698        | 2.700        | 2.702 | 2.705 |
| 7.1          | 2.707        | 2.710        | 2.712       | 2.714 | 2.717       | <u>2.718</u> | 2.721        | 2.724        | 2.726 | 2.729 |
| 7.2          | 2.731        | 2.733        | 2.736       | 2.738 | 2.740       | <u>2.746</u> | 2.745        | 2.748        | 2.750 | 2.752 |
| 7.3          | 2.755        | 2.757        | 2.760       | 2.762 | 2.764       | <u>2.747</u> | 2.769        | 2.771        | 2.774 | 2.776 |
| 7.4          | 2.779        | 2.781        | 2.783       | 2.786 | 2.788       | 2.790        | 2.793        | 2.795        | 2.798 | 2.800 |
| 7.5          | 2.802        | 2.805        | 2.807       | 2.809 | 2.812       | 2.814        | 2.816        | 2.819        | 2.821 | 2.823 |
| 7.6          | 2.826        | 2.828        | 2.830       | 2.833 | 2.835       | 2.837        | 2.840        | 2.842        | 2.844 | 2.847 |
| 7.7          | 2.849        | <u>2.581</u> | 2.854       | 2.856 | 2.858       | 2.860        | 2.863        | 2.865        | 2.868 | 2.870 |
| 7.8          | 2.873        | 2.875        | 2.877       | 2.879 | 2.881       | 2.884        | 2.887        | 2.889        | 2.891 | 2.893 |
| 7.9          | 2.895        | 2.898        | 2.900       | 2.902 | 2.905       | 2.907        | 2.909        | 2.911        | 2.913 | 2.915 |
| 8.0          | 2.918        | 2.920        | 2.922       | 2.924 | 2.926       | 2.928        | 2.931        | 2.933        | 2.935 | 2.937 |
| 8.1          | 2.939        | 2.942        | 2.944       | 2.946 | 2.948       | 2.950        | 2.952        | 2.955        | 2.957 | 2.959 |
| 8.2          | 2.961        | 2.963        | 2.966       | 2.968 | 2.970       | 2.972        | 2.974        | 2.976        | 2.979 | 2.981 |
| 8.3          | 2.983        | 2.985        | 2.987       | 2.990 | 2.992       | 2.994        | 2.996        | 2.998        | 3.000 | 3.002 |
| 8.4          | 3.004        | 3.006        | 3.008       | 3.010 | 3.012       | 3.015        | 3.017        | 3.019        | 9.021 | 3.023 |
| 8.5          | 3.025        | 3.027        | 3.029       | 3.031 | 3.033       | 3.035        | 3.037        | 3.040        | 3.042 | 3.044 |
| 8.6          | 3.046        | 3.048        | 3.050       | 3.052 | 3.054       | 3.056        | 3.058        | 3.060        | 3.062 | 3.064 |
| 8.7          | 3.067        | 3.069        | 3.071       | 3.073 | 3.075       | 3.077        | 3.079        | 3.081        | 3.083 | 3.085 |
| 8.8          | 3.087        | 3.089        | 3.092       | 3.094 | 3.096       | 3.098        | 3.100        | 3.102        | 3.104 | 3.106 |
| 8.9          | 3.108        | 3.110        | 3.112       | 3.114 | 3.116       | 3.118        | 3.120        | 3.122        | 3.124 | 3.126 |
| 9.0          | 3.128        | 3.130        | 3.132       | 3.134 | 3.136       | 3.138        | 3.140        | 3.142        | 3.144 | 3.146 |
| 9.1          | 3.148        | 3.150        | 3.152       | 3.154 | 3.156       | 3.158        | 3.160        | 3.162        | 3.164 | 3.166 |
| 9.2          | 3.168        | 3.170        | 3.172       | 3.174 | 3.176       | 3.178        | 3.180        | 3.182        | 3.184 | 3.186 |
| 9.3          | 3.188        | 3.190        | 3.192       | 3.194 | 3.196       | 3.198        | 3.200        | 3.202        | 3.204 | 3.206 |
| 9.4          | 3.208        | 3.210        | 3.212       | 3.214 | 3.215       | 3.217        | 3.219        | 3.221        | 3.223 | 3.225 |
| 9.5          | 3.227        | 3.229        | 3.231       | 3.233 | 3.235       | 3.237        | 3.239        | 3.241        | 3.242 | 3.244 |
| 9.6          | 3.246        | 3.248        | 3.250       | 3.252 | 3.254       | 3.256        | 3.258        | 3.260        | 3.262 | 3.264 |
| 9.7          | 3.266        | 3.268        | 3.269       | 3.271 | 3.273       | 3.275        | 3.277        | 3.279        | 3.281 | 3.283 |
| 9.8          | 3.285        | 3.287        | 3.289       | 3.291 | 3.293       | 3.295        | 3.297        | 3.298        | 3.300 | 3.302 |
| 9.9          | 3.304        | 3.305        | 3.307       | 3.309 | 3.311       | 3.313        | 3.316        | 3.318        | 3.320 | 3.321 |
| 10           | 3.32         | 3.34         | 3.36        | 3.37  | 3.39        | 3.41         | 3.43         | 3.45         | 3.46  | 3.48  |
| 11           | 3.50         | 3.52         | <u>3.58</u> | 3.55  | 3.56        | 3.58         | 3.60         | <u>6.61</u>  | 3.63  | 3.64  |
| 12           | 3.66         | 3.68         | 3.69        | 3.71  | <u>3.82</u> | 3.74         | 3.76         | 3.77         | 3.79  | 3.80  |
| 13           | 3.80         | 3.83         | 3.85        | 3.86  | 3.88        | 3.89         | 3.90         | 3.92         | 3.93  | 3.95  |
| 14           | 3.96         | 3.97         | 3.99        | 4.00  | <u>4.06</u> | 4.03         | 4.04         | 4.06         | 4.07  | 4.09  |
| 15           | 4.10         | 4.11         | 4.13        | 4.14  | 4.15        | 4.17         | 4.18         | 4.19         | 4.20  | 4.22  |
| 16           | 4.23         | 4.24         | 4.25        | 4.27  | 4.28        | 4.29         | 4.30         | 4.31         | 4.33  | 4.34  |
| 17           | 4.35         | 4.36         | 4.37        | 4.38  | 4.39        | 4.41         | 4.42         | 4.43         | 4.44  | 4.45  |
| 18           | 4.46         | 4.47         | 4.48        | 4.49  | 4.50        | 4.52         | 4.53         | 4.54         | 4.55  | 4.56  |
| 19           | 4.57         | 4.58         | 4.59        | 4.60  | 4.61        | 4.62         | 4.63         | 4.64         | 4.65  | 4.66  |

## (別紙 4)

相対粘度  $\eta_{rel}$  から極限粘度との濃度の積  $[\eta]C$  を求める表

| $\eta_{rel}$ | $[\eta]C$    |       |              |              |              |              |              |              |       |              |
|--------------|--------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------------|
|              | 0.00         | 0.01  | 0.02         | 0.03         | 0.04         | 0.05         | 0.06         | 0.07         | 0.08  | 0.09         |
| 1.1          | 0.098        | 0.106 | 0.115        | 0.125        | 0.134        | 0.143        | 0.152        | 0.161        | 0.170 | 0.180        |
| 1.2          | 0.189        | 0.198 | 0.207        | 0.216        | 0.225        | 0.233        | 0.242        | 0.250        | 0.259 | 0.268        |
| 1.3          | 0.276        | 0.285 | 0.293        | 0.302        | 0.310        | 0.318        | 0.326        | 0.334        | 0.342 | 0.350        |
| 1.4          | 0.358        | 0.367 | 0.375        | 0.383        | 0.391        | 0.399        | <u>0.407</u> | 0.414        | 0.422 | 0.430        |
| 1.5          | 0.437        | 0.445 | 0.453        | 0.460        | <u>0.468</u> | 0.476        | 0.484        | 0.491        | 0.499 | 0.507        |
| 1.6          | 0.515        | 0.522 | 0.529        | 0.536        | 0.544        | 0.551        | 0.558        | 0.566        | 0.573 | 0.580        |
| 1.7          | 0.587        | 0.595 | 0.602        | 0.608        | 0.615        | 0.622        | 0.629        | 0.636        | 0.642 | 0.649        |
| 1.8          | 0.656        | 0.663 | 0.670        | 0.677        | 0.683        | 0.690        | 0.697        | 0.704        | 0.710 | 0.717        |
| 1.9          | 0.723        | 0.730 | 0.736        | 0.743        | 0.749        | 0.756        | 0.762        | 0.769        | 0.775 | 0.782        |
| 2.0          | 0.788        | 0.795 | 0.802        | 0.809        | 0.815        | 0.821        | 0.827        | 0.833        | 0.840 | 0.846        |
| 2.1          | 0.852        | 0.858 | 0.864        | 0.870        | 0.876        | 0.882        | 0.888        | 0.894        | 0.900 | 0.906        |
| 2.2          | 0.912        | 0.918 | 0.924        | 0.929        | 0.935        | 0.941        | 0.948        | <u>0.953</u> | 0.959 | 0.965        |
| 2.3          | 0.971        | 0.976 | 0.983        | 0.988        | <u>0.994</u> | 1.000        | 1.006        | 1.011        | 1.017 | 1.022        |
| 2.4          | 1.028        | 1.033 | 1.039        | 1.044        | 1.050        | 1.056        | 1.061        | 1.067        | 1.072 | 1.078        |
| 2.5          | 1.083        | 1.089 | 1.094        | 1.100        | 1.105        | 1.111        | 1.116        | 1.121        | 1.126 | 1.131        |
| 2.6          | 1.137        | 1.142 | 1.147        | 1.153        | <u>1.158</u> | 1.163        | 1.169        | 1.174        | 1.179 | 1.184        |
| 2.7          | 1.190        | 1.195 | 1.200        | 1.205        | 1.210        | 1.215        | 1.220        | 1.225        | 1.230 | 1.235        |
| 2.8          | 1.240        | 1.245 | 1.250        | 1.255        | 1.260        | 1.265        | 1.270        | 1.275        | 1.280 | <u>1.285</u> |
| 2.9          | 1.290        | 1.295 | 1.300        | 1.305        | 1.310        | 1.314        | 1.319        | 1.324        | 1.329 | 1.333        |
| 3.0          | 1.338        | 1.343 | 1.348        | <u>1.352</u> | 1.357        | 1.362        | 1.367        | 1.371        | 1.376 | 1.381        |
| 3.1          | 1.386        | 1.390 | 1.395        | 1.400        | 1.405        | 1.409        | 1.414        | <u>1.418</u> | 1.423 | 1.427        |
| 3.2          | 1.432        | 1.436 | 1.441        | 1.446        | 1.450        | 1.455        | 1.459        | <u>1.464</u> | 1.468 | 1.473        |
| 3.3          | 1.477        | 1.482 | 1.486        | 1.491        | 1.496        | 1.500        | 1.504        | 1.508        | 1.513 | 1.517        |
| 3.4          | 1.521        | 1.525 | 1.529        | 1.533        | 1.537        | 1.542        | 1.546        | 1.550        | 1.554 | 1.558        |
| 3.5          | 1.562        | 1.566 | 1.570        | 1.575        | 1.579        | 1.583        | 1.587        | 1.591        | 1.595 | 1.600        |
| 3.6          | 1.604        | 1.608 | 1.612        | 1.617        | 1.621        | 1.625        | 1.629        | 1.633        | 1.637 | 1.642        |
| 3.7          | 1.646        | 1.650 | 1.654        | 1.658        | 1.662        | 1.666        | 1.671        | 1.675        | 1.679 | 1.683        |
| 3.8          | 1.687        | 1.691 | 1.695        | 1.700        | 1.704        | 1.708        | 1.712        | 1.715        | 1.719 | 1.723        |
| 3.9          | 1.727        | 1.731 | 1.735        | 1.739        | 1.742        | 1.746        | 1.750        | 1.754        | 1.758 | 1.762        |
| 4.0          | 1.765        | 1.769 | 1.773        | 1.777        | 1.781        | 1.785        | 1.789        | 1.792        | 1.796 | 1.800        |
| 4.1          | 1.804        | 1.808 | 1.811        | 1.815        | 1.819        | 1.822        | 1.826        | 1.830        | 1.833 | 1.837        |
| 4.2          | 1.841        | 1.845 | 1.848        | 1.852        | 1.856        | 1.859        | 1.863        | 1.867        | 1.870 | 1.874        |
| 4.3          | 1.878        | 1.882 | 1.885        | 1.889        | 1.893        | 1.896        | 1.900        | 1.904        | 1.907 | 1.911        |
| 4.4          | 1.914        | 1.918 | 1.921        | 1.925        | 1.929        | 1.932        | 1.936        | <u>1.939</u> | 1.943 | 1.946        |
| 4.5          | 1.950        | 1.954 | 1.957        | 1.961        | 1.964        | 1.968        | 1.971        | 1.975        | 1.979 | 1.982        |
| 4.6          | 1.986        | 1.989 | 1.993        | 1.996        | 2.000        | 2.003        | 2.007        | 2.010        | 2.013 | <u>2.017</u> |
| 4.7          | 2.020        | 2.023 | 2.027        | <u>2.030</u> | 2.033        | 2.037        | 2.040        | 2.043        | 2.047 | 2.050        |
| 4.8          | 2.053        | 2.057 | 2.060        | 2.063        | 2.067        | 2.070        | 2.073        | 2.077        | 2.080 | 2.083        |
| 4.9          | 2.087        | 2.090 | 2.093        | 2.097        | 2.100        | 2.103        | 2.107        | 2.110        | 2.113 | 2.116        |
| 5.0          | <u>2.119</u> | 2.122 | 2.125        | 2.129        | 2.132        | 2.135        | 2.139        | 2.142        | 2.145 | 2.148        |
| 5.1          | 2.151        | 2.154 | 2.158        | 2.160        | 2.164        | 2.167        | 2.170        | 2.173        | 2.176 | 2.180        |
| 5.2          | 2.183        | 2.186 | 2.190        | 2.192        | 2.195        | 2.197        | 2.200        | 2.203        | 2.206 | 2.209        |
| 5.3          | 2.212        | 2.215 | 2.218        | 2.221        | 2.224        | 2.227        | 2.230        | 2.233        | 2.236 | 2.240        |
| 5.4          | 2.243        | 2.246 | 2.249        | 2.252        | 2.255        | 2.258        | 2.261        | 2.264        | 2.267 | 2.270        |
| 5.5          | 2.273        | 2.276 | 2.279        | 2.282        | 2.285        | 2.288        | 2.291        | 2.294        | 2.297 | 2.300        |
| 5.6          | 2.303        | 2.306 | 2.309        | 2.312        | 2.315        | 2.318        | 2.320        | 2.324        | 2.326 | 2.329        |
| 5.7          | 2.332        | 2.335 | 2.338        | 2.341        | 2.344        | 2.347        | 2.350        | 2.353        | 2.355 | 2.358        |
| 5.8          | 2.361        | 2.364 | 2.367        | 2.370        | 2.373        | <u>2.376</u> | 2.379        | 2.382        | 2.384 | 2.387        |
| 5.9          | 2.390        | 2.393 | <u>2.396</u> | 2.400        | 2.403        | 2.405        | 2.408        | 2.411        | 2.414 | 2.417        |

相対粘度  $\eta_{rel}$  から極限粘度との濃度の積  $[\eta]C$  を求める表 (続き)

| $\eta_{rel}$ | $[\eta]C$    |              |             |            |             |              |              |              |            |            |
|--------------|--------------|--------------|-------------|------------|-------------|--------------|--------------|--------------|------------|------------|
|              | 0.00         | 0.01         | 0.02        | 0.03       | 0.04        | 0.05         | 0.06         | 0.07         | 0.08       | 0.09       |
| 6.0          | 2.419        | 2.422        | 2.425       | 2.428      | 2.431       | <u>2.433</u> | 2.436        | 2.439        | 2.442      | 2.444      |
| 6.1          | 2.447        | 2.450        | 2.453       | 2.456      | 2.458       | 2.461        | 2.464        | 2.467        | 2.470      | 2.472      |
| 6.2          | 2.475        | <u>2.478</u> | 2.481       | 2.483      | 2.486       | 2.489        | <u>2.492</u> | <u>2.494</u> | 2.497      | 2.500      |
| 6.3          | 2.503        | 2.505        | 2.508       | 2.511      | 2.513       | 2.516        | 2.518        | 2.521        | 2.524      | 2.526      |
| 6.4          | 2.529        | 2.532        | 2.534       | 2.537      | 2.540       | 2.542        | 2.545        | 2.547        | 2.550      | 2.553      |
| 6.5          | 2.555        | 2.558        | 2.561       | 2.563      | 2.566       | 2.568        | 2.571        | 2.574        | 2.576      | 2.579      |
| 6.6          | 2.581        | 2.584        | 2.587       | 2.590      | 2.592       | 2.595        | 2.597        | 2.600        | 2.603      | 2.605      |
| 6.7          | <u>2.608</u> | 2.610        | 2.613       | 2.615      | 2.618       | 2.620        | 2.623        | 2.625        | 2.627      | 2.630      |
| 6.8          | 2.633        | 2.635        | 2.637       | 2.640      | 2.643       | 2.645        | 2.648        | 2.650        | 2.653      | 2.655      |
| 6.9          | 2.658        | 2.660        | 2.663       | 2.665      | 2.668       | 2.670        | 2.673        | 2.675        | 2.678      | 2.680      |
| 7.0          | 2.683        | 2.685        | 2.687       | 2.690      | 2.693       | 2.695        | 2.698        | 2.700        | 2.702      | 2.705      |
| 7.1          | 2.707        | 2.710        | 2.712       | 2.714      | 2.717       | <u>2.719</u> | 2.721        | 2.724        | 2.726      | 2.729      |
| 7.2          | 2.731        | 2.733        | 2.736       | 2.738      | 2.740       | <u>2.743</u> | 2.745        | 2.748        | 2.750      | 2.752      |
| 7.3          | 2.755        | 2.757        | 2.760       | 2.762      | 2.764       | <u>2.767</u> | 2.769        | 2.771        | 2.774      | 2.776      |
| 7.4          | 2.779        | 2.781        | 2.783       | 2.786      | 2.788       | 2.790        | 2.793        | 2.795        | 2.798      | 2.800      |
| 7.5          | 2.802        | 2.805        | 2.807       | 2.809      | 2.812       | 2.814        | 2.816        | 2.819        | 2.821      | 2.823      |
| 7.6          | 2.826        | 2.828        | 2.830       | 2.833      | 2.835       | 2.837        | 2.840        | 2.842        | 2.844      | 2.847      |
| 7.7          | 2.849        | <u>2.851</u> | 2.854       | 2.856      | 2.858       | 2.860        | 2.863        | 2.865        | 2.868      | 2.870      |
| 7.8          | 2.873        | 2.875        | 2.877       | 2.879      | 2.881       | 2.884        | 2.887        | 2.889        | 2.891      | 2.893      |
| 7.9          | 2.895        | 2.898        | 2.900       | 2.902      | 2.905       | 2.907        | 2.909        | 2.911        | 2.913      | 2.915      |
| 8.0          | 2.918        | 2.920        | 2.922       | 2.924      | 2.926       | 2.928        | 2.931        | 2.933        | 2.935      | 2.937      |
| 8.1          | 2.939        | 2.942        | 2.944       | 2.946      | 2.948       | 2.950        | 2.952        | 2.955        | 2.957      | 2.959      |
| 8.2          | 2.961        | 2.963        | 2.966       | 2.968      | 2.970       | 2.972        | 2.974        | 2.976        | 2.979      | 2.981      |
| 8.3          | 2.983        | 2.985        | 2.987       | 2.990      | 2.992       | 2.994        | 2.996        | 2.998        | 3.000      | 3.002      |
| 8.4          | 3.004        | 3.006        | 3.008       | 3.010      | 3.012       | 3.015        | 3.017        | 3.019        | 9.021      | 3.023      |
| 8.5          | 3.025        | 3.027        | 3.029       | 3.031      | 3.033       | 3.035        | 3.037        | 3.040        | 3.042      | 3.044      |
| 8.6          | 3.046        | 3.048        | 3.050       | 3.052      | 3.054       | 3.056        | 3.058        | 3.060        | 3.062      | 3.064      |
| 8.7          | 3.067        | 3.069        | 3.071       | 3.073      | 3.075       | 3.077        | 3.079        | 3.081        | 3.083      | 3.085      |
| 8.8          | 3.087        | 3.089        | 3.092       | 3.094      | 3.096       | 3.098        | 3.100        | 3.102        | 3.104      | 3.106      |
| 8.9          | 3.108        | 3.110        | 3.112       | 3.114      | 3.116       | 3.118        | 3.120        | 3.122        | 3.124      | 3.126      |
| 9.0          | 3.128        | 3.130        | 3.132       | 3.134      | 3.136       | 3.138        | 3.140        | 3.142        | 3.144      | 3.146      |
| 9.1          | 3.148        | 3.150        | 3.152       | 3.154      | 3.156       | 3.158        | 3.160        | 3.162        | 3.164      | 3.166      |
| 9.2          | 3.168        | 3.170        | 3.172       | 3.174      | 3.176       | 3.178        | 3.180        | 3.182        | 3.184      | 3.186      |
| 9.3          | 3.188        | 3.190        | 3.192       | 3.194      | 3.196       | 3.198        | 3.200        | 3.202        | 3.204      | 3.206      |
| 9.4          | 3.208        | 3.210        | 3.212       | 3.214      | 3.215       | 3.217        | 3.219        | 3.221        | 3.223      | 3.225      |
| 9.5          | 3.227        | 3.229        | 3.231       | 3.233      | 3.235       | 3.237        | 3.239        | 3.241        | 3.242      | 3.244      |
| 9.6          | 3.246        | 3.248        | 3.250       | 3.252      | 3.254       | 3.256        | 3.258        | 3.260        | 3.262      | 3.264      |
| 9.7          | 3.266        | 3.268        | 3.269       | 3.271      | 3.273       | 3.275        | 3.277        | 3.279        | 3.281      | 3.283      |
| 9.8          | 3.285        | 3.287        | 3.289       | 3.291      | 3.293       | 3.295        | 3.297        | 3.298        | 3.300      | 3.302      |
| 9.9          | 3.304        | 3.305        | 3.307       | 3.309      | 3.311       | 3.313        | 3.316        | 3.318        | 3.320      | 3.321      |
|              | <u>0.0</u>   | <u>0.1</u>   | <u>0.2</u>  | <u>0.3</u> | <u>0.4</u>  | <u>0.5</u>   | <u>0.6</u>   | <u>0.7</u>   | <u>0.8</u> | <u>0.9</u> |
| 10           | 3.32         | 3.34         | 3.36        | 3.37       | 3.39        | 3.41         | 3.43         | 3.45         | 3.46       | 3.48       |
| 11           | 3.50         | 3.52         | <u>3.53</u> | 3.55       | 3.56        | 3.58         | 3.60         | <u>3.61</u>  | 3.63       | 3.64       |
| 12           | 3.66         | 3.68         | 3.69        | 3.71       | <u>3.72</u> | 3.74         | 3.76         | 3.77         | 3.79       | 3.80       |
| 13           | 3.80         | 3.83         | 3.85        | 3.86       | 3.88        | 3.89         | 3.90         | 3.92         | 3.93       | 3.95       |
| 14           | 3.96         | 3.97         | 3.99        | 4.00       | <u>4.02</u> | 4.03         | 4.04         | 4.06         | 4.07       | 4.09       |
| 15           | 4.10         | 4.11         | 4.13        | 4.14       | 4.15        | 4.17         | 4.18         | 4.19         | 4.20       | 4.22       |
| 16           | 4.23         | 4.24         | 4.25        | 4.27       | 4.28        | 4.29         | 4.30         | 4.31         | 4.33       | 4.34       |
| 17           | 4.35         | 4.36         | 4.37        | 4.38       | 4.39        | 4.41         | 4.42         | 4.43         | 4.44       | 4.45       |
| 18           | 4.46         | 4.47         | 4.48        | 4.49       | 4.50        | 4.52         | 4.53         | 4.54         | 4.55       | 4.56       |
| 19           | 4.57         | 4.58         | 4.59        | 4.60       | 4.61        | 4.62         | 4.63         | 4.64         | 4.65       | 4.66       |