

Reagecon

Coke



Petrochemistry Standards

Reagents and Standards For The Coke Industry



ASTM D6045 Standard Test Method for Color of Petroleum Products by the Automatic Tristimulus Method

ASTM Colour Standards

| Product No. | Description | Colour | ASTM Methods to include the following | Pack Size |
|-------------|--------------------------------|--------|---------------------------------------|-----------|
| ASTMA101 | ASTM Colour Standard Sample A1 | 1 | D6045 | 100ml |
| ASTMA105 | ASTM Colour Standard Sample A1 | 1 | D6045 | 500ml |
| ASTMA301 | ASTM Colour Standard Sample A3 | 3 | D6045 | 100ml |
| ASTMA305 | ASTM Colour Standard Sample A4 | 3 | D6045 | 500ml |
| ASTMA501 | ASTM Colour Standard Sample A5 | 5 | D6045 | 100ml |
| ASTMA505 | ASTM Colour Standard Sample A5 | 5 | D6045 | 500ml |
| ASTMA701 | ASTM Colour Standard Sample A7 | 7 | D6045 | 100ml |
| ASTMA705 | ASTM Colour Standard Sample A7 | 7 | D6045 | 500ml |

Saybolt Colour Standards

| Product No. | Description | Colour | ASTM Methods to include the following | Pack Size |
|-------------|--------------------|--------|---------------------------------------|-----------|
| SAYP301 | Saybolt Colour +30 | S+30 | D6045 | 100ml |
| SAYP305 | Saybolt Colour +30 | S+30 | D6045 | 500ml |
| SAYP251 | Saybolt Colour +25 | S+25 | D6045 | 100ml |
| SAYP255 | Saybolt Colour +25 | S+25 | D6045 | 500ml |
| SAYP191 | Saybolt Colour +19 | S+19 | D6045 | 100ml |
| SAYP195 | Saybolt Colour +19 | S+19 | D6045 | 500ml |
| SAYP151 | Saybolt Colour +15 | S+15 | D6045 | 100ml |
| SAYP155 | Saybolt Colour +15 | S+15 | D6045 | 500ml |
| SAYP121 | Saybolt Colour +12 | S+12 | D6045 | 100ml |
| SAYP125 | Saybolt Colour +12 | S+12 | D6045 | 500ml |
| SAYP01 | Saybolt Colour +0 | S0 | D6045 | 100ml |
| SAYP05 | Saybolt Colour +0 | S0 | D6045 | 500ml |
| SAYN151 | Saybolt Colour -15 | S-15 | D6045 | 100ml |
| SAYN155 | Saybolt Colour -15 | S-15 | D6045 | 500ml |

ASTM D1500 Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)

ASTM Colour Standards

| Product No. | Description | Colour | ASTM Methods to include the following | Pack Size |
|-------------|--------------------------------|--------|---------------------------------------|-----------|
| ASTMA101 | ASTM Colour Standard Sample A1 | 1 | D1500 | 100ml |
| ASTMA105 | ASTM Colour Standard Sample A1 | 1 | D1500 | 500ml |
| ASTMA301 | ASTM Colour Standard Sample A3 | 3 | D1500 | 100ml |
| ASTMA305 | ASTM Colour Standard Sample A4 | 3 | D1500 | 500ml |
| ASTMA501 | ASTM Colour Standard Sample A5 | 5 | D1500 | 100ml |
| ASTMA505 | ASTM Colour Standard Sample A5 | 5 | D1500 | 500ml |
| ASTMA701 | ASTM Colour Standard Sample A7 | 7 | D1500 | 100ml |
| ASTMA705 | ASTM Colour Standard Sample A7 | 7 | D1500 | 500ml |

ASTM D1209 Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)

Platinum-Cobalt Colour Standards* (Hazen)

| Product No. | Description | Colour | ASTM Methods to include the following | Pack Size |
|-------------|----------------------------|--------|---------------------------------------|-----------|
| HAZ0 | Platinum-Cobalt Colour 0 | 0 | D1209 | 1000ml |
| HAZ5 | Platinum-Cobalt Colour 5 | 5 | D1209 | 1000ml |
| HAZ10 | Platinum-Cobalt Colour 10 | 10 | D1209 | 1000ml |
| HAZ25 | Platinum-Cobalt Colour 25 | 25 | D1209 | 1000ml |
| HAZ40 | Platinum-Cobalt Colour 40 | 40 | D1209 | 1000ml |
| HAZ50 | Platinum-Cobalt Colour 50 | 50 | D1209 | 1000ml |
| HAZ80 | Platinum-Cobalt Colour 80 | 80 | D1209 | 1000ml |
| HAZ100 | Platinum-Cobalt Colour 100 | 100 | D1209 | 1000ml |
| HAZ250 | Platinum-Cobalt Colour 250 | 250 | D1209 | 1000ml |
| HAZ500 | Platinum-Cobalt Colour 500 | 500 | D1209 | 1000ml |

ASTM D6166 Standard Test Method for Color of Pine Chemicals and Related Products (Instrumental Determination of Gardner Color)

Gardner Colour Standards**

| Product No. | Description | Colour | ASTM Methods to include the following | Pack Size |
|-------------|-------------------|--------|---------------------------------------|-----------|
| GARD02 | Gardner Colour 2 | 2 | D6166 | 500ml |
| GARD021 | Gardner Colour 2 | 2 | D6166 | 100ml |
| GARD04 | Gardner Colour 4 | 4 | D6166 | 500ml |
| GARD041 | Gardner Colour 4 | 4 | D6166 | 100ml |
| GARD06 | Gardner Colour 6 | 6 | D6166 | 500ml |
| GARD061 | Gardner Colour 6 | 6 | D6166 | 100ml |
| GARD08 | Gardner Colour 8 | 8 | D6166 | 500ml |
| GARD081 | Gardner Colour 8 | 8 | D6166 | 100ml |
| GARD10 | Gardner Colour 10 | 10 | D6166 | 500ml |
| GARD101 | Gardner Colour 10 | 10 | D6166 | 100ml |
| GARD12 | Gardner Colour 12 | 12 | D6166 | 500ml |
| GARD121 | Gardner Colour 12 | 12 | D6166 | 100ml |
| GARD14 | Gardner Colour 14 | 14 | D6166 | 500ml |
| GARD141 | Gardner Colour 14 | 14 | D6166 | 100ml |
| GARD16 | Gardner Colour 16 | 16 | D6166 | 500ml |
| GARD161 | Gardner Colour 16 | 16 | D6166 | 100ml |

ASTM D2162 Standard Practice for Basic Calibration of Master Viscometers and Viscosity Oil Standards

| Product No. | 20°C | 25°C | 37.78°C | 40°C | 50°C |
|-------------|------|------|---------|------|------|
| REVIS-N.4 | 0.47 | 0.45 | 0.41 | 0.40 | |
| REVIS-N.8 | 0.74 | 0.70 | 0.61 | 0.60 | |
| REVIS-N1.0 | 1.3 | 1.2 | 1.0 | 0.97 | 0.87 |
| REVIS-N2 | 2.9 | 2.6 | 2.1 | 2.0 | 1.7 |
| REVIS-S3 | 4.4 | 3.9 | 3.0 | 2.9 | 2.4 |
| REVIS-N4 | 6.7 | 5.8 | 4.2 | 4.0 | 3.2 |
| REVIS-S6 | 10 | 8.7 | 6.0 | 5.7 | 4.4 |
| REVIS-N7.5 | 14 | 12 | 8.0 | 7.5 | 5.8 |
| REVIS-N10 | 20 | 16 | 11 | 10 | 7.5 |
| REVIS-N14 | 30 | 24 | 15 | 14 | 10 |
| REVIS-S20 | 43 | 34 | 20 | 18 | 13 |
| REVIS-N26 | 59 | 47 | 27 | 25 | 18 |
| REVIS-N35 | 88 | 66 | 35 | 32 | 21 |
| REVIS-N44 | 110 | 87 | 48 | 44 | 30 |
| REVIS-S60 | 160 | 120 | 60 | 54 | 35 |
| REVIS-N75 | 210 | 160 | 83 | 75 | 50 |
| REVIS-N100 | 320 | 230 | 110 | 98 | 61 |

| Product No. | 20°C | 25°C | 37.78°C | 40°C | 50°C |
|--------------|--------|-------|---------|-------|-------|
| REVIS-N140 | 400 | 300 | 160 | 140 | 90 |
| REVIS-S200 | 550 | 400 | 200 | 180 | 110 |
| REVIS-N250 | 790 | 580 | 280 | 250 | 160 |
| REVIS-N350 | 980 | 710 | 340 | 310 | 190 |
| REVIS-N415 | 1400 | 1000 | 470 | 410 | 250 |
| REVIS-S600 | 1800 | 1300 | 590 | 520 | 310 |
| REVIS-N750 | 2600 | 1800 | 850 | 750 | 450 |
| REVIS-N1000 | 3300 | 2300 | 1100 | 940 | 560 |
| REVIS-N1400 | 4900 | 3500 | 1600 | 1400 | 830 |
| REVIS-S2000 | 8400 | 5300 | 1900 | 1600 | 810 |
| REVIS-N2500 | 7900 | 5800 | 2800 | 2500 | 1500 |
| REVIS-N4000 | 19000 | 12000 | 4000 | 3400 | 1700 |
| REVIS-N5100 | 28000 | 17000 | 6000 | 5100 | 2500 |
| REVIS-S8000 | 41000 | 25000 | 8000 | 6700 | 3200 |
| REVIS-N10200 | 58000 | 36000 | | 10000 | 4900 |
| REVIS-N15000 | 77000 | 47000 | | 13000 | 6100 |
| REVIS-N18000 | 100000 | 64000 | | 18000 | 8500 |
| REVIS-S30000 | | 79000 | 28000 | 23000 | 11000 |

Reagents, Titrants & Standards for ASTM D664

Acid Number of Petroleum Products by Potentiometric Titration

| Product No. | Description | Pack Size | ASTM |
|-------------|--|-----------|------|
| EFSLET | Electrolyte: 1M lithium Chloride in Ethanol | 100ml | D664 |
| 104025 | Buffer pH 4.00 - 25°C | 1L | D664 |
| 107025 | Buffer pH 7.00 - 25°C | 1L | D664 |
| 111025 | Buffer pH 11.00 - 25°C | 1L | D664 |
| PH 20101 | 0.1M Hydrochloric Acid in propan-2-ol | 1L | D664 |
| PH 201005 | 0.1M Hydrochloric Acid in propan-2-ol | 500ml | D664 |
| KOH01F | 0.1M Potassium Hydroxide in propan-2-ol | 1L | D664 |
| KOH01H | 0.1M Potassium Hydroxide in propan-2-ol | 500ml | D664 |
| KOH001F | 0.01M Potassium Hydroxide in propan-2-ol | 1L | D664 |
| KOH001H | 0.01M Potassium Hydroxide in propan-2-ol | 500ml | D664 |
| TANSOLVF | TAN Titration solvent. Per litre: 500mls toluene, 495mls propan-2-ol, 5mls water | 1L | D664 |

TAN Standards: All in a Synthetic Base Oil Matrix

| Product No. | Description | Pack Size | ASTM |
|-------------|----------------------------|-----------|------|
| RETAN01 | TAN standard: 0.1mg/g KOH | 50g | D664 |
| RETAN05 | TAN standard: 0.5 mg/g KOH | 50g | D664 |
| RETAN10 | TAN standard: 1.0 mg/g KOH | 50g | D664 |
| RETAN15 | TAN standard: 1.5 mg/g KOH | 50g | D664 |
| RETAN20 | TAN standard: 2.0 mg/g KOH | 50g | D664 |
| RETAN25 | TAN standard: 2.5 mg/g KOH | 50g | D664 |
| RETAN30 | TAN standard: 3.0 mg/g KOH | 50g | D664 |
| RETAN45 | TAN standard: 4.5 mg/g KOH | 50g | D664 |

Reagents, Titrants & Standards for ASTM D2896

Base Number of Petroleum Products by Potentiometric Titration

| Product No. | Description | Pack Size | ASTM |
|-------------|---|-----------|-------|
| P2010F | 0.1M Perchloric Acid in glacial acetic acid | 1L | D2896 |
| P2010H | 0.1M Perchloric Acid in glacial acetic acid | 500ml | D2896 |
| EFSNACLO4 | Electrolyte: saturated sodium perchlorate in glacial acetic acid | 100ml | D2896 |
| TBNSOLV1F | TBN Titration solvent - 2:1 chlorobenzene and glacial acetic acid | 1L | D2896 |
| NAAC010F | 0.1N sodium acetate in glacial acetic acid | 1L | D2896 |
| NAAC010F | 0.1N sodium acetate in glacial acetic acid | 500ml | D2896 |
| 104025 | Buffer pH 4.00 - 25°C | 1L | D2896 |
| 107025 | Buffer pH 7.00 - 25°C | 1L | D2896 |
| 111025 | Buffer pH 11.00 - 25°C | 1L | D2896 |
| TBNSOLV2F | TBN Titration solvent - 0.4M tetraethylammonium bromide in | 1L | D2896 |

TBN Standards: All in a Synthetic Base Oil Matrix.

| Product No. | Description | Pack Size | ASTM |
|-------------|----------------------------|-----------|-------|
| RETBN1 | TBN Standard: 1.0 mg/g KOH | 50g | D2896 |
| RETBN3 | TBN Standard: 3.0 mg/g KOH | 50g | D2896 |
| RETBN6 | TBN Standard: 6.0 mg/g KOH | 50g | D2896 |
| RETBN10 | TBN Standard: 10 mg/g KOH | 50g | D2896 |
| RETBN15 | TBN Standard: 15 mg/g KOH | 50g | D2896 |
| RETBN30 | TBN Standard: 30 mg/g KOH | 50g | D2896 |
| RETBN40 | TBN Standard: 40 mg/g KOH | 50g | D2896 |
| RETBN70 | TBN Standard: 70 mg/g KOH | 50g | D2896 |