

Reagecon

Gasoline



Petrochemistry Standards

Reagents and Standards For The Gasoline 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
RETN1	TBN Standard: 1.0 mg/g KOH	50g	D2896
RETN3	TBN Standard: 3.0 mg/g KOH	50g	D2896
RETN6	TBN Standard: 6.0 mg/g KOH	50g	D2896
RETN10	TBN Standard: 10 mg/g KOH	50g	D2896
RETN15	TBN Standard: 15 mg/g KOH	50g	D2896
RETN30	TBN Standard: 30 mg/g KOH	50g	D2896
RETN40	TBN Standard: 40 mg/g KOH	50g	D2896
RETN70	TBN Standard: 70 mg/g KOH	50g	D2896

ASTM D3710 Standard Test Method for Boiling Range Distribution of Gasoline and Gasoline Fractions by Gas Chromatography

ASTM 2789 Standard Test Method for Hydrocarbon Types in Low Olefinic Gasoline by Mass Spectrometry

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-P	Piano Paraffins	N-Pentane	Varies per batch	0.1mL	D6279
		N-Hexane			D6733
		N-Heptane			D5134
		N-Octane			D3710
		N-Nonane			D2789
		N-Decane			
		N-Undecane			
		N-Dodecane			
		N-Tridecane			
		N-Tetradecane			
		N-Pentadecane			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-I	Piano Isoparaffins	Isopentane	Varies per batch	0.1mL	D6279
		2,3-Dimethylbutane			D6733
		2-Methylpentane			D5134
		3-Methylpentane			D3710
		2,2-Dimethylpentane			D2789
		2,4-Dimethylpentane			
		2,2,3-Trimethylbutane			
		3,3-Dimethylpentane			
		2-Methylhexane			
		2,3-Dimethylpentane			
		3-Methylhexane			
		3-Ethylpentane			
		2,2-Dimethylhexane			
		2,5-Dimethylhexane			
		2,2,3-Trimethylpentane			
		2,4-Dimethylhexane			
		2,3-Dimethylhexane			
		2-Methylheptane			
		4-Methylheptane			
		3-Methylheptane			
		3-Ethylhexane			
		3,3-Dimethylheptane			
		2,5-Dimethylheptane			
		3,5-Dimethylheptane			
		2,3-Dimethylheptane			
		3,4-Dimethylheptane			
		2-Methyloctane			
		3-Methyloctane			
		3,3-Diethylpentane			
		2,2-Dimethyloctane			
		3,3-Dimethyloctane			
		2,3-Dimethyloctane			
		3-Ethyloctane			
		2-Methylnonane			
		3-Methylnonane			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-A	PIANO Aromatics	Benzene	Varies per batch	0.1mL	D6279
		Toluene			D6733
		EthylBenzene			D5134
		m-Xylene			D3710
		p-Xylene			D2789
		o-Xylene			
		Isopropylbenzene			
		n-Propylbenzene			
		1-Methyl-3-ethylbenzene			
		1-Methyl-4-ethylbenzene			
		1,3,5-Trimethylbenzene			
		1-Methyl-2-ethylbenzene			
		1,2,4-Trimethylbenzene			
		tert-Butylbenzene			
		Isobutylbenzene			
		sec-Butylbenzene			
		1-Methyl-3-isopropylbenzene			
		1-Methyl-4-isopropylbenzene			
		1-Methyl-2-isopropylbenzene			
		1-Methyl-3-n-propylbenzene			
		1-Methyl-4-n-propylbenzene			
		n-Butylbenzene			
		1,2-Diethylbenzene			
		1-Methyl-2-n-propylbenzene			
		1,4-Dimethyl-2-ethylbenzene			
		1,3-Dimethyl-5-ethylbenzene			
		1,2-Dimethyl-4-ethylbenzene			
		1,3-Dimethyl-2-ethylbenzene			
		1,2-Dimethyl-3-ethylbenzene			
		1,2,4,5-Tetramethylbenzene			
		2-Methylbutylbenzene			
		trans-1-Butyl-1-2-methylbenzene			
		n-Pentylbenzene			
		t-1-Butyl-1,3,5-dimethylbenzene			
		t-1-butyl-ethylbenzene			
		1,3,5-Triethylbenzene			
		1,2,4-Triethylbenzene			
		n-Hexylbenzene			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-N	PIANO Naphthalenes	Cyclopentane	Varies per batch	0.1mL	D6279
		Methylcyclopentane			D6733
		Cyclohexane			D5134
		1,1-Dimethylcyclopentane			D3710
		cis-1,3-Dimethylcyclopentane			D2789
		trans-1,2-Dimethylcyclopentane			
		trans-1,3-Dimethylcyclopentane			
		Methylcyclohexane			
		Ethylcyclopentane			
		ctc-1,2,3-Trimethylcyclopentane			
		cct-1,2,4-Trimethylcyclopentane			
		ctc-1,2,4-Trimethylcyclopentane			
		trans-1,4-Dimethylcyclohexane			
		1-Ethyl-1-methylcyclopentane			
		trans-1,2-Dimethylcyclohexane			
		ccc-1,2,3-Trimethylcyclopentane			
		Isopropylcyclopentane			
		cis-1,2-Dimethylcyclohexane			
		n-Propylcyclopentane			
		ccc-1,3,5-Trimethylcyclohexane			
		1,1,4-Trimethylcyclohexane			
		ctt-1,2,4-Trimethylcyclohexane			
		ctc-1,2,4-Trimethylcyclohexane			
		1,1,2-Trimethylcyclohexane			
		Isobutylcyclopentane			
		Isopropylcyclohexane			
		n-Butylcyclopentane			
		Isobutylcyclohexane			
		t-1-Methyl-2-propylcyclohexane			
		t-1-Methyl-2-(4MP)cyclopentane			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-O	PIANO Olefins	3-Methyl-1-butene	Varies per batch	0.1mL	D6279
		1-Pentene			D6733
		2-Methyl-1-butene			D5134
		2-Methyl-1, 3-butadiene			D3710
		trans-2-Pentene			D2789
		cis-2-Pentene			
		4-Methylpentene-1			
		1-Hexene			
		trans-2-Hexene			
		2-Methylpentene-2			
		cis-2-Hexene			
		1-Heptene			
		trans-3-Heptene			
		cis-3-Heptene			
		trans-2-Heptene			
		cis-2-Heptene			
		1-Octene			
		trans-2-Octene			
		cis-2-Octene			
		1-Nonene			
		trans-3-Nonene			
		cis-3-Nonene			
		trans-2-Nonene			
		cis-2-Nonene			
		1-Decene			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO-KIT	PIANO KIT	Kit Containing 0.1ml ampoules of one each of	Varies per batch	0.1mL x 5	D6279
		REPIANO-P			D6733
		REPIANO-I			D5134
		REPIANO-A			D3710
		REPIANO-N			D2789
		REPIANO-P			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO1	PIANO 1 Standard	n-Pentane	Varies per batch	1ml	D6279
		n-Hexane			D6733
		n-Heptane			D5134
		n-Octane			D3710
		n-Nonane			D2789
		n-Decane			
		n-Undecane			
		n-Dodecane			
		Isopentane			
		2-Methyl Pentane			
		3-Methyl Pentane			
		2,2 Dimethylpentane			
		2,3 Dimethylpentane			
		2,4 Dimethylpentane			
		2,2,4 Trimethylpentane			
		Cyclohexane			
		Methylcyclohexane			
		Ethylcyclohexane			
		Propylcyclohexane			
		n-Butylcyclohexane			
		n-Pentylcyclohexane			
		Decalin			
		Benzene			
		Toluene			
		Propylbenzene			
		Ethylbenzene			
		p-Xylene			
		Cumene			
		1,3,5-Trimethylbenzene			
		3-Ethyltoluene			
		1,2,4-Trimethylbenzene			
		1,2,4,5 Tetramethylbenzene			
		n-Butylbenzene			
		Iso-Butylbenzene			
		n-Pentylbenzene			
		1-Pentene			
		2,3,3 Trimethyl-1-Butene			
		2-Methyl-1-Heptene			
		1-Hexene			
		2,3-Dimethyl-2-Butene			
		1-Heptene			
		1-Nonene			
		1-Decene			
		1-Undecene			
		1-Dodecene			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPIANO1K	PIANO 1 Kit	Kit Containing 10 x REPIANO 1 1mL ampoules		10x 1mL	D6279 D6733 D5134 D3710 D2789

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPONA	PONA Standard	1-Butene	Varies per batch	1mL	D6279
		1-Pentene			D6733
		1-Hexene			D5134
		1-Heptene			D3710
		1-Octene			D2789
		1-Nonene			D6298
		1-Decene			
		1-Undecene			
		1-Dodecene			
		N-Propane			
		N-Butane			
		N-Pentane			
		N-Hexane			
		N-Heptane			
		N-Octane			
		N-Nonane			
		N-Decane			
		N-Undecane			
		N-Dodecane			
		Methanol			
		Ethanol			
		tert- Butyl methyl ether			
		tert -Amyl methyl ether			
		tert –Butanol			
		tert– Butyl ethyl ether			
		Cyclopentane			
		Cyclohexane			
		Methylcyclohexane			
		Ethylcyclohexane			
		Propylcyclohexane			
		n-Butylcyclohexane			
		Benzene			
		Toluene			
		Ethylbenzene			
		Propylbenzene			
		N-Butylbenzene			
		N-Pentylbenzene			

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
REPONAK	PONA Kit	Kit Containing 10 x REPONA 1mL ampoules	Varies per batch	10x 1mL	D6279 D6733 D5134 D3710 D2789 D6298

Product No.	Description	Constituents	Concentration	Pack Size	ASTM
	PNA Distillates	Cyclopentane	Varies per batch	1mL	D5443
		n-Pentane			D6279
		Cyclohexane			D6733
		2,3-Dimethylbutane			D5134
		n-Hexane			D3710
		1-Hexene			D2789
		Methylcyclohexane			
		4-Methyl-1-hexene			
		n-Heptane			
		1,cis-2-Dimethylcyclohexane			
		Isooctane			
		n-Octane			
		1-cis-4-Trimethylcyclohexane			
		n-Nonane			
		n-Decane			
		n-Undecane			
		n-Dodecane			
		Benzene			
		Toluene			
		trans-Decahydronaphthalene			
		n-Tetradecane			
		Ethylbenzene			
		o-Xylene			
		n-Propylbenzene			
		1,2,4-Trimethylbenzene			
		1,2,3-Trimethylbenzene			
		1,3,4,5-Tetramethylbenzene			
		Pentamethylbenzene			