

REAGENT LIST FOR ASTM D2896

Whether you are analyzing crude oil or finished lubricants, GFS Chemicals offers a wide range of laboratory chemicals to meet your testing needs. Designed to save you time and money, choose GFS premixed solvents for various ASTM methods such as D664, D2896, D4739, D8045, and D1159.

BASE NUMBER OF PETROLEUM PRODUCTS BY POTENTIOMETRIC PERCHLORIC ACID TITRATION

CATEGORY	DESCRIPTION	SIZE	ITEM	SKU
Premixed Solvent	ASTM D2896 SOLVENT	4L	9031	74926
	Chlorobenzene: Glacial Acetic Acid 2:1 Ratio	20 L	9031	86521
		200 L	9031	74928
Titrant	Perchloric Acid in Acetic Acid, 0.1N	500 mL	71	55953
		2.5L	71	55951
Titrant Standardization	KHP (Potassium Acid Phthalate)	100 g	554	60000
	Sodium Acetate in Glacial Acetic Acid, 0.1N	1 L	9064	20171
Electrode Filling Solution	Sodium Perchlorate Electrolyte, Saturated	100 mL	5920	27911
Buffers	pH 4	500 mL	1634	18411
	pH 7	500 mL	1639	18511
	p H 11	500 mL	2548	18481
	Glacial Acetic Acid	2.5 L	629	10302
		(6) 2.5 L	2489	10305
	Chlorobenzene	4 L	2489	21782
		(4) 4 L	1052	21784
	Acetic Anhydride	500 mL	1052	10401
Sodium Carbonate, Anhydrous, 99.99%	25 g	1059	66695	

ASTM D2896-15, Standard Test Method for Base Number of Petroleum Products by Potentiometric Titration, ASTM International, West Conshohocken, PA 2018
www.astm.org



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For more info contact
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WATERMARK® Karl Fischer reagents can be found in petrochemical & lubricant laboratories around the world.

Ready to experience GFS Chemicals quality in your lab? Call 800.858.9682 and our expert sales team will arrange a sample for you to try in your lab.

TESTING TO ASTM E203, D4928, D6304, D1533 OR E1064?

See a sample of our offerings for petrochemical/lubricant KF Moisture analysis below!

VOLUMETRIC

ONE-COMPONENT REAGENTS

1601	2 mg/mL Titrant
1884	1 mg/mL Titrant
2978	Solvent for Oils, 1-Component

TWO-COMPONENT REAGENTS

1603	2 mg/mL Titrant, 2-Component Solvent Req.
1602	1 mg/mL Titrant, 2-Component Solvent Req.
2991	Solvent for Oils, 2-Component

WATER STANDARDS

2303	10.0 mg/g
2302	1.0 mg/g
2301	0.1 mg/g
2311	0.05 mg/g

DESICCANTS

963	Molecular Sieves, 3Å, 8-12 Mesh Beads
1986	Silica Gel w/30% Indicating Beads

COULOMETRIC

For Generators with a Diaphragm

1612	General purpose. Chloroform Based. Analyte*
1607	Biodiesel, Non-Polar Materials, Oils. Analyte
5202	Universal Crude Oil Analyte
1613	Generator Solution, Catholyte
2321	Generator Solution, Catholyte
5605	Crude Oil Kit; 8x10mL (5202) & 8x5mL (2321)

1612	General Purpose, Chloroform Based. Analyte*
1671	General Purpose, Chloroform Free. Analyte
1889	Reagent for use with KF Oven

3777	Chloroform
1059	Xylene
1052	Toluene
3482	1-Decanol

*1612 is suitable for both types of generators

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