

Out of Stock - Item is not available at this time - Reformulated gasoline - Sulfur, benzene, MTBE and toluene (nominal 10% Ethanol)

Art. ID NIST-2297
Unit 2 x 20 mL
Deliverydetails ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1203 II E2

Description

This Standard Reference Material (SRM®) is intended primarily for use in the calibration of instruments and the evaluation of methods used for the determination of total sulfur, benzene, toluene, and ethanol in reformulated gasoline or similar matrix. A unit of NIST-2297 consists of a set of two 20-mL unscored ampoules containing a synthetic gasoline blend of twenty-five organic compounds. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Sulfur total		303,7	mg/kg		
	Benzene	[71-43-2]	1,04	%		
	Toluene	[108-88-3]	8,27	%		
	Ethanol	[64-17-5]	9,91	%		
	1,2,4,5-Tetramethylbenzene	[95-93-2]	1,02	%		
	Naphthalene	[91-20-3]	1,21	%		
	Ethylbenzene	[100-41-4]	2,07	%		
	1,3,5-Trimethylbenzene	[108-67-8]	2,08	%		
	o-Xylene	[95-47-6]	2,08	%		
	1,2,4-Trimethylbenzene	[95-63-6]	2,12	%		
	m-Xylene and p-Xylene	[108-38-3]/[106-42-3]	6,2	%		
	Total identified aromatics		26,31	%		
	1-Pentene	[109-67-1]	0,78	%		
	2,3-Dimethyl-2-butene	[563-79-1]	1,67	%		
	1-Heptene	[592-76-7]	1,69	%		
	Total identified olefins		4,29	%		
	n-Pentane	[109-66-0]	3,76	%		
	n-Hexane (C6)	[110-54-3]	3,91	%		
	n-Decane (C10)	[124-18-5]	4,37	%		
	n-Heptane (C7)	[142-82-5]	8,2	%		
	2,4-Dimethylpentane	[108-08-7]	8,34	%		
	n-Octane (C8)	[111-65-9]	8,43	%		
	Cyclohexane	[110-82-7]	9,34	%		

2,2,4-Trimethylpentane (Isooctane)	[540-84-1]	12,45	%
Total identified saturates		59,18	%
3-Methylthiophene	[616-44-4]	0,026	%
Thiophene	[110-02-1]	0,031	%
Benzo(b)thiophene	[95-15-8]	0,044	%
Water	[7732-18-5]	0,082	%
Total oxygen from identified organic oxygenates		3,5	%