

AMENDMENT TO SLS 216 : 1973 SPECIFICATION FOR NAPHTHA

EXPLANATORY NOTE

In the existing standard the methods of test have not been included.

Therefore this amendment is issued to include the methods of test.

**AMENDMENT NO. 1. APPROVED ON 2002-08-08
TO SLS 216 : 1973**

SPECIFICATION FOR NAPHTHA

Replace TABLE 1 Requirements for solvent naphtha by following

Sl No. (1)	Characteristics (2)	Requirements			Method of test Ref. to (6)
		Type 1 (3)	Type 2 (4)	Type 3 (5)	
i	Specific gravity at 60 °F/60 °F min.	0.680	0.713	0.775	ASTM D 1298
ii	Colour Seybolt min.	25	25	25	ASTM D 156
iii	Flashpoint °C	-	-	37 to 43	ASTM D 56*
iv	Distillation °C				
	a) IBP	626 min	60 min.	142 to 158	} ASTM D 86
	b) 50% volume recovery	**	85 to 105	**	
	c) 90% volume recovery	**	105 to 130	**	
	d) 95% volume recovery	**	145 max.	**	
	e) Dry point	82 max.	155 max.	198 max	
v	Distillate residue per cent by volume	**	**	1.5 max.	ASTM D 86
vi	Residue on evaporation mg/100 ml max.	**	**	**	
vii	Non-volatile matter per cent volume max.	**	**	**	
viii	Sulphur per cent mass max.	0.005	0.005	0.05	UOP 357
ix	Aromatic content per cent volume max.	6	16	20	UOP 273
x	Copper corrosion test 3 h at 50 °C	No. 1	**	No. 1	ASTM D 130
xi	Doctor test	**	**	**	ASTM D 4952 /IP30

** To be reported on request.

* For type 3 only

Replace TABLE 2 Typical requirements for chemical naphtha by following

Sl No. (1)	Characteristics (2)	Requirements (3)	Method of test Ref. to (4)
i	Specific gravity at 60 °F/60 °F	0.650-0.750	ASTM D 1298
ii	Colour Seybolt min.	25	ASTM D 156
iii	RVP at 100 °F max.	10.0	ASTM D 323
iv	Distillation °C		
	a) 10% volume recovery max.	75	ASTM D 86
	b) 50% volume recovery max.	115	
	c) 70% volume recovery max.	145	
	d) 90% volume recovery max.	170	
	e) End point max.	180	
v	Lead content ppb. max	50	UOP 350
vi	Sulphur content ppm. max.	50	UOP 357
vii	Hydrogen sulphide ppm. max.	3	UOP 163
viii	Paraffins per cent volume min.	70	UOP 273
ix	Olefines per cent volume max.	1.0	UOP 273
x	Aromatics per cent volume max.	15.0	UOP 273

Clause 2 REFERENCES

Insert the following as clause 2 'REFERENCES'

ASTM D	56	Test method for flash point by tag closed tester
ASTM D	86	Test method for distillation of petroleum products
ASMT D	130	Test method for detection of copper corrosion from petroleum products copper strip tarnish test
ASTM D	156	Test method for saybolt colour of petroleum products (saybolt chromomfer method)
ASTM D	323	Test method for vapour pressure of petroleum products (Reid Method)
ASTM D	1298	Test method for density, relative density (specific gravity) or API gravity of crude petroleum and liquid petroleum products by hydrometer method.
ASTM D	4952	Test method for qualitative analysis for active sulfur species in fuels and solvents (Doctor Tests)
IP	30	Detection of mercaptan hydrogen sulphide, element sulphur and peroxide (Doctor Tests)
UOP*	163	Hydrogen sulphide and mercaptan sulfur in liquid hydrocarbons by potentiometric titration
UOP	273	Hydrocarbon types in petroleum fractions boiling below 400 °F
UOP	350	Trace concentrations of lead in gasoline or petroleum naphthas
UOP	357	Traces of sulphur in petroleum distillates by nickel reduction method
SLS	561	Methods of sampling petroleum and petroleum products
UOP*		Universal Oil Products

Re- number the other clauses accordingly

Clause 7 SAMPLING

Line 2, delete 'CS' and insert 'SLS 561'

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