



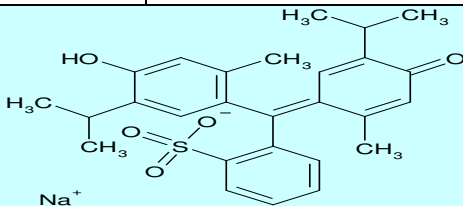
SDFCL
s d fine-chem limited

Quality Control Dept.



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Product Specification

E Control	QC2\DATAD\D:\PS\30114XPS.xls		
PRODUCT CODE	30114		
PRODUCT NAME	THYMOL BLUE SODIUM SALT (M.S.) pH INDICATOR		
SYNONYMS	--		
C.I. NO.	--		
CASR NO.	(62625-21-2)		
ATOMIC OR MOLECULAR FORMULA	C ₂₇ H ₂₉ NaO ₅ S		
ATOMIC OR MOLECULAR WEIGHT	488.58		
PROPERTIES	--		
			
PARAMETER	LIMIT		
pH Transition Range	pH 1.2 - 2.8 Violet red - Brownish yellow		
pH Transition Range	pH 7.8 - 9.5 Greenish yellow - Blue		
Clarity of solution	To pass the test.		
Loss on drying (at 110 °C)	< 5.0%		
Absorption maxima			
λ1 (pH 1.2)	543 - 547 nm		
λ2 (pH 2.8)	431 - 437 nm		
λ3 (pH 7.8)	431 - 437 nm		
λ4 (pH 9.5)	594 - 597 nm		
Absorptivity on dried substance) (A1%/1 cm at			
λ1 (pH 1.2)	480 - 580		
λ2 (pH 2.8)	280 - 330		
λ3 (pH 7.8)	280 - 330		
λ4 (pH 9.5)	530 - 630		
Sensitivity	To pass the test.		
MAXIMUM LIMIT OF IMPURITIES			
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Note(s) : Assay (if applicable) method mentioned.			
WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention: ---- Response: --- Disposal: ----			IMDG Code :-- UN No. : -- IATA : --
Hazard Pictogram(s) :--			
Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 01.04.2010	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 01.04.2010	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 02.04.2010	Issue Date : 01.07.2002 Revision No.: 01 Revision dt. : 02.04.2010 AMEND NO.: 1554

