



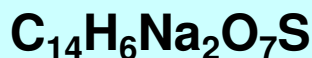
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Quality Control Dept.



QI Product Specification

E Control	QC2\DATAD\DATA\PS\26048XPS.xls
PRODUCT CODE	26048
PRODUCT NAME	ALIZARIN RED S (pH INDICATOR)
SYNONYMS	---
C.I. NO.	58005
CASR NO.	(130-22-3)
ATOMIC OR MOLECULAR FORMULA	C ₁₄ H ₆ Na ₂ O ₇ S
ATOMIC OR MOLECULAR WEIGHT	364.24
PROPERTIES	--



PARAMETER	LIMIT
Dye content (Spectrophotometry)	Min. 70.0%
pH Transition range	pH 4.3 - 6.3 ; Brilliant Yellow - Pink pH 9.4 - 12.0 Brown Orange - Violet
Loss on drying (at 110°C)	Max. 8.0%
Absorption maxima λ1 (pH 4.3) λ2 (pH 6.3) λ3 (pH 9.4) λ4 (pH 12.0)	418 - 424 nm 514 - 520 nm 445 - 451 nm 554 - 558 nm
Absorptivity (A1%/1 cm at/on dried substance) λ1 (pH 4.3) λ2 (pH 6.3) λ3 (pH 9.4) λ4 (pH 12.0)	115 - 135 135 - 155 140 - 160 350 - 370
MAXIMUM LIMIT OF IMPURITIES	
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Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : May cause respiratory irritation. Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.

IMDG Code : --
UN No. : --
IATA : --

Disposal: The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :



Skin irritation

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 01
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. :1554

