



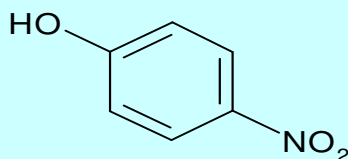
SDFCL
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Quality Control Dept.



C Product Specification

E Control	QC2\DATAD\D:\PS\30082XPS.xls
PRODUCT CODE	30082
PRODUCT NAME	4-NITROPHENOL PH INDICATOR
SYNONYMS	(p-Nitrophenol)
C.I. NO.	--
CASR NO.	(100-02-7)
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₅ NO ₃
ATOMIC OR MOLECULAR WEIGHT	139.11
PROPERTIES	Slightly volatile with steam. Freely soluble in alcohol, chloroform, ether.



PARAMETER	LIMIT
Description	White to slightly yellowish crystals / crystalline powder .
Solubility	2% solution in hot water should be clear.
Identification (By FTIR)	Conforms
Minimum Assay (By GC)	99.0%
Melting Point	110° - 115°C
pH Transition Range	pH 5.4 - 7.5 Colourless - Yellow
Absorptivity (A1% λ1cm /pH 7.5)	960 - 1100
Absorptivity (A1% λ1cm / pH 5.4)	700 - 750
Absorption maximum λ pH 5.4	316 - 320 nm
Absorption maximum λ pH 7.5	398 - 402 nm
Residue on ignition (as SO ₄)	Max.0.05%
Water (By KF)	Max. 1.0%

MAXIMUM LIMIT OF IMPURITIES

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Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements : Toxic if swallowed.Harmful if inhaled.Harmful in contact with skin. May cause damage to organs through.prolonged or repeated exposure.

Precautionary statements

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

Response : Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water.IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell.Specific treatment: refer to Label or MSDS.

IMDG Code : 6.1/III
UN No. : 1663
IATA : 6.1

Disposal: Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :--





Acute toxicity



Aspiration hazard

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.: 02 Revision dt. : 02.04.2010 AMEND NO. : 1554
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