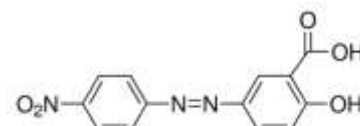


ALIZARIN YELLOW R AR FOR MICROSCOPY

PRODUCT CODE	281165
SYNONYMS	5-(4-Nitrophenylazo) Salicylic Acid.Mordant Orange 1
C.I. NO.	--
CASR NO.	(2243-76-7)
ATOMIC OR MOLECULAR FORMULA	C₁₃H₉N₃O₅
ATOMIC OR MOLECULAR WEIGHT	287.23
PROPERTIES	--



PARAMETER	LIMIT
Description	Brown to very dark brown powder.
Solubility	Soluble in alcohol.
Minimum assay (Dye content)	70.0%
Transition interval pH(10.0 to 12.0)	Reddish yellow - yellowish red
Wavelength	380 -390 nm
Extinction Coefficient	≥ 16000
Wavelength	266 – 276 nm
Extinction Coefficient c = 0.006G/L, in Methanol	≥ 7000

MAXIMUM LIMIT OF IMPURITIES

Loss on drying	10.0%
Residue on ignition (as sulphate)	20.0 – 30.0%

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

WARNING

Hazard statements :May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: 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. If eye irritation persists: Get medical advice/attention.

IMDG Code : --

UN No. : --

IATA :--

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07

Replace date 08-Apr-2026