

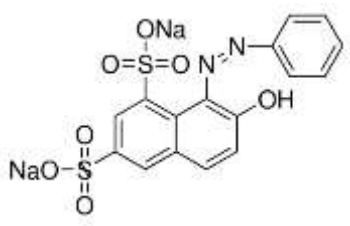


Product Specification

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ORANGE G INDICATOR FOR MICROSCOPY

PRODUCT CODE	311475
SYNONYMS	--
C.I. NO.	16230
CASR NO.	1936-15-8
ATOMIC OR MOLECULAR FORMULA	C₁₆H₁₀N₂Na₂O₇S₂
ATOMIC OR MOLECULAR WEIGHT	452.37
PROPERTIES	---



PARAMETER	LIMIT
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Description	Orange to red powder.
Solubility	20 ppm in water yields clear orange to red orange solution.
Dye Content (Titanometry; on dried substance)	About 90%
Absorption maximum (in water)	476 - 481 nm
Absorption ratio (A λ max - 15 nm)/ (A λ max + 15 nm)	0.88 - 0.95
Suitability for microscopy	To pass the test.
TLC examination	To pass the test.

MAXIMUM LIMIT OF IMPURITIES

Absorptivity (A1%/1 cm at λ max, in water)	380 - 500
Loss on drying (at 110°C)	15.0%

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

WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention: --	IMDG Code : UN No. : IATA :
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Disposal: The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :-

Replace date 03-June-2026