

SUVCHEM

ISO 9001:2015 CERTIFIED COMPANY

OFF: CHAITANYA TOWER, 2ND FLOOR, OFFICE NO.206,

SIDDARTH NAGAR, S.V. ROAD, GOREGAON (WEST), MUMBAI 400062. MH. INDIA.

WORKS: RAJPRABHA LANDMARK IND ESTATE NO.4 UNIT NO. 106 & 107, 1ST FLOOR, BHOIDAPADA,

SATIVALI ROAD, VASAI (EAST), THANE - 401 208. MH, INDIA

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Certificate Of Analysis

PRODUCT NAME	ACRIDINE ORANGE (FOR MICROSCOPY)
CAS. NUMBER	10127-02-3
C.I.NO	46005
MOLECULAR FORMULA	C ₁₇ H ₂₀ Cl ₃ N ₃ Zn
MOLECULAR WEIGHT (M.W.)	438.09
BATCH NUMBER	AO042212
MFG DATE	APRIL 2022
BEST BEFORE	MARCH 2027
PRODUCT CODE	A0012700010

DESCRIPTION	LIMITS	RESULTS
PHYSICAL APPEARANCE	BROWN TO RED-BROWN POWDER	BROWN POWDER
INSOLUBLE CONTENT	1% MAX.	0.30%
MOISTURE CONTENT BY LOD	5% MAX.	3.80%
IDENTIFICATION	IR TO CONFORMS	IR CONFORMS TO THE STRUCTURE
LAMBDA MAX CONC. 5.0MGS/LTR. IN WATER	492NM. +/- 3NM. = 0.514 268NM. +/- 3NM. = 0.514	E 492NM. = 0.601 E 269NM. = 0.582
EXTINCTION CO-EFFICIENT -		
IN WATER E (489 TO 495NM.)	STD. > 38000	E 492NM. = 44469.19
E (265 TO 271NM.)	STD. > 38000	E 269NM. = 43063.34
DYE CONTENT AS PER SPECTRO.	90.0% MIN.	105.32%
SOLUBILITY (TURBIDITY)	CLEAR SOLUTION	CLEAR
		C = 1 MG/ML; WATER
SOLUBILITY (COLOUR)	CONFORMS TO REQUIREMENTS	CONFORMS TO REQUIREMENTS
		ORANGE TO BROWN

DISCLAIMER:

- **SUVCHEM™** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM™** shall not be responsible for any damage resulting from handling or from contact with the above product.