

# CERTIFICATE OF ANALYSIS



**DYECHEM PVT. LTD.**

A/44 & A/45, Road No. 2, M.I.D.C. Andheri (E), Mumbai-400093, India

Tel No.:-91-22-40773100 (Hunting Line), Fax No.:-91-22-28302531/28302532

Email:-roha.india@rohagroup.com, Website:-www.rohagroup.com

INSP NO. : 100000165361	ORDER NO/DATE : 50010011 / 01.12.2018
PRODUCT NO. : L4L49LRPD1BA20000	INVOICE NO. : 2018000868 / 16.01.2019
PRODUCT NAME : IDACOL TARTRAZINE LAKE MD	LOT NO. : RP19010007
EEC NO. : E 102	SR. NO. : 1007180992-1007181041
C. I. NO. : 19140:1	EINECS NO. : 235-428-9
CAS NO. : 12225-21-7	DATE OF MFG. : 09.01.2019
SUPPLIED/SHIP TO : 50000127(ER030)	EXPIRY DATE : 08.01.2024
GENERIC NAME : PIGMENT YELLOW 100, FD&C YELLOW NO. 5 AL LAKE	

Characteristic	Specification	Unit	Test Results
Physical Appearance	Amorphous Fine Yellow Powder		Complies
Dye Content	22,000-27,000	%	26,540
Loss on drying at 110 ° C	(Max)20,000	%	12,180
pH of 2% Slurry	3,800-5,800		4,850
Bulk Density	0,200-0,500	g/ml	0,310
Free Dye Content	(Max)0,400	%	0,039
Ether Extractable Matter	(Max)0,200	%	< 0,200
Insoluble in HCl	(Max)0,500	%	< 0,500
Soluble in Chloride & Sulphate (As Sodium Salt)	(Max)2,000	%	< 2,000
Solubility in water & in organic solvent	Insoluble		Insoluble
Subsidiary Dyes	0,010-0,500	%	< 0,500
Particle Size	(Max)50,000	μ	< 50,000
Lead (as Pb)	(Max)2,000	mg/kg	< 2,000
Arsenic (as As)	(Max)1,000	mg/kg	< 1,000
Mercury (as Hg)	(Max)1,000	mg/kg	< 1,000
Cadmium (as Cd)	(Max)1,000	mg/kg	< 1,000
Heavy Metals (as Pb)	(Max)10,000	mg/kg	< 10,000
Aluminum (as AL)	17,000-22,000	%(m)	21,000

Quantity: 500.000 Kg

**Shipping, Handling & Storage:** Shipping and handling of the product has been under such conditions that prevent contamination and will protect against undesirable deterioration of the product and the container. Product shall be placed in tightly sealed container/bag and stored at ambient warehouse conditions, carefully protected from exposure to light, air, moisture, foreign odour and other contaminations.

**Remark :** THE PRODUCT COMPLIES AS PER EU COMMISSION DIRECTIVE 2012/231/EC SPECIFICATIONS

Place : Roha

ISSUED BY ROHA DYECHEM PVT. LTD.

Date : 18.01.2019

Q. A. MANAGER

Factory Address : 42, M.I.D.C. Dhatav, Roha 402116 Dist. Raigad, Maharashtra, India

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