

CERTIFICATE OF ANALYSIS



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. : 100000149579	ORDER NO/DATE : 50009028 / 06.02.2018
PRODUCT NO. : S1L77LRPD1BA20000	INVOICE NO. : 2018000068 / 27.04.2018
PRODUCT NAME : IDALACOL SUNSET YELLOW LAKE HD (L77)	LOT NO. : RP18040104
EEC NO. : E 110	SR. NO. : 1006744285-1006744295
C. I. NO. : 15985:1	EINECS NO. : 239-888-1
CAS NO. : 15790-07-5	DATE OF MFG. : 26.04.2018
SUPPLIED/SHIP TO : 50000127 (ER030)	EXPIRY DATE : 25.04.2023
GENERIC NAME : PIGMENT YELLOW 104, FD&C YELLOW NO. 6 AL LAKE	

Characteristic	Specification	Unit	Test Results
Identification UV-VIS spectrum similar	Complies		Complies
Physical Appearance	Amorphous Fine Orange Powder		Complies
Dye Content	32,000-42,000	%	39,360
Loss on drying at 105°C	0,000-20,000	%	9,270
pH of 2% Slurry	3,800-5,800		4,200
Bulk Density	0,200-0,500	g/ml	0,330
Subsidiary Dyes	0,010-0,500	%(m)	< 0,500
Free Dye Content	0,000-0,400	%	0,011
Ether Extractable Matter	0,000-0,200	%	< 0,200
Insoluble in HCl	0,000-0,500	%	< 0,500
Soluble in Chloride & Sulphate (As Sodium Salt)	0,000-2,000	%	< 2,000
Solubility in water & in organic solvent	Insoluble		Insoluble
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
Shade	Ok		Ok
Particle Size	0,000-50,000		< 50,000
Barium (asBa)	(Max)500,000	ppm	< 500,000
Heavy Metals (as Pb)	(Max)10,000	mg/kg	< 10,000
Aluminum (as AL)	12,000-18,000	%	17,000

Quantity: 220.000 Kg **Packaging:** 11 X 20 Kg HDPE DRUM

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 DYE CHEM PVT. LTD.

Date : 29.04.2018

Q. A. MANAGER