

Certificate of Analysis

Product Name:	California Poppy Extract	Batch No.	AP-CPE-72270-30032021
Product Quality:	0.6 % Alkaloids	Manufacturing Date:	30/03/2021
Product Code:	72270	Expiry Date:	28/03/2023
Botanical Name:	<i>Eschscholzia californica Cham.</i>	Shelf Life:	24 Months
Plant Part:	Aerial Parts	Country of Origin:	Italy
Solvents Used:	Water & Ethanol		
Storage Conditions:	Ambient temperature, protected from light, moisture and oxygen.		
Packaging:	Cardboard box with polyethylene bags : 25 kg net or 10kg net		

Item	Specification	Test Method	Test Result
Assay			
Alkaloids	0.6 – 1.2 %	HPLC	0.81 %
Physical and Chemical Parameters			
Appearance	Powder	Visual	Conforms
Color	Brown to Dark Brown	Visual	Conforms
Flavor	Characteristic	Sensory	Conforms
Californidin Content	/	HPLC	0.54 %
Escholtzine Content	/	HPLC	0.24 %
Protopine Content	/	HPLC	0.02 %
Loss on Drying	< 8.0 %	I.R. balance	5.12 %
Sieve Analysis	> 95 % through 40 Mesh / 420 µm	Sieve	100 %
Aflatoxin B1	< 2 µg/kg	External	Conforms
Aflatoxins B1, B2, G1, G2	< 4 µg/kg	External	Conforms
BAP	< 10 µg/kg	External	1.8 µg/kg
PAH4	< 50 µg/kg	External	9.8 µg/kg
Residual Solvents	< 5,000 mg/kg	GC	< 1,000 mg/kg
Residual Pesticides	Meet EC 396/2005	External	Conforms
Heavy Metals			
Heavy Metals	< 10.0 mg/kg	ICP	Conforms
Lead (Pb)	< 3.0 mg/kg	ICP	Conforms
Arsenic (As)	≤ 1.0 mg/kg	ICP	Conforms
Cadmium (Cd)	≤ 1.0 mg/kg	ICP	Conforms
Mercury (Hg)	≤ 0.1 mg/kg	ICP	Conforms
Microbiological Parameters			
Total Plate Count	< 10,000 cfu/g	Count (CQ-MO-231)	< 100 cfu/g
Yeast and Mold	< 100 cfu/g	Count (CQ-MO-244)	< 10 cfu/g
E. Coli	Negative/g	Detection: Ext. Lab	Negative/g
Salmonella	Negative/25g	Detection: Ext. Lab	Negative/25g
BTGN Bacteria	< 100 cfu/g	Eur. Ph 5.1.4	< 100 cfu/g

Created: NK Date: 23/07/2021
 Approved: SE Date: 27/07/2021



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