

CERTIFICATE OF ANALYSIS

Product Name	CURCUMIN 95% EXTRACT POWDER	Botanical Name	<i>Curcuma Longa Lin.</i>
Country of Origin	INDIA	Product Code	SVACUR95
Mfg. Month	Dec 2017	Batch No/Lot No	SVA/CUR171109
Mfg. Month	Dec 2017	Expiry Date	Nov 2021

TEST	SPECIFICATIONS	RESULT
Description	Yellow Powder	Yellow powder
Odor & Taste	characteristic odor and taste	characteristic odor and taste
Solubility	Slightly soluble in alcohol, soluble in acetone and in glacial acetic acid.	Complies
Water Content (Karl-Fischer)	≤ 5.0%(Karl-Fischer)	3.1%
Identification	The I.R spectrum of sample is concordant with that of standard	By I.R. spectrum: complies
	A 0.001% w/v solution in methanol exhibits maxima at the same wavelength as the standard preparation.	By U.V absorption: complies
	To comply with boric acid test	By boric acid: complies
Loss on Drying	Not More Than 1.0%	0.35%
Ash content	Not More Than 1.0%	0.57%
Melting Range	Between 172°C-178°C	Complies
Bulk Density (Tapped)	Between 0.4 and 0.7 g/ml	0.49g/ml
Assay (total Curcumin)	Not Less Than 95.0%	97.98%
a) Bisdemethoxy Curcumin	Between 1.0-8.0%	05.00%
b) Demethoxy Curcumin	Between 15.0-25.0%	19.37%
c) Curcumin	Between 70.0%-80.0%	73.61%
Heavy Metals	NMT 20ppm	Complies
Arsenic	NMT 1 ppm	Complies
Lead	NMT 3 ppm	Complies
Microbiology Analysis		
Total Plate Count	NMT 5000 cfu/g	Complies
Yeast & Mold	NMT 500 cfu/g	Complies
E. Coli	Should be absent	Complies
Salmonella spp.	Should be absent	Complies

