

Certificate of Analysis

Organic Turmeric Root Powder
(TOC-301)
Curcuma longa

Product: Organic Turmeric Root Powder
Botanical Name: *Curcuma longa*
Form/Plant Part: Certified Organic Powder from Root
Lot number: TOC-301/2101/X-10
Manufacture Date: 01/2021
Expiration Date: 01/2024
Other Information: Organic Certified [REDACTED]



Recognized by the USDA NOP
This product has not been treated by Irradiation or ETO

Analysis	Specification	Result	Test Method
Identification	FTIR/TLC/Microscopy	Pass	FTIR/Microscopy
Appearance	Orange Powder	Pass	Organoleptic
Aroma	Characteristic	Pass	Organoleptic
Particle Size	>90% at 60-mesh	99% at 60-mesh	USP<786>
Loss on Drying	≤8.0%	6.90%	USP<731>
Ash Content	<8.0%	1.50%	USP<561>
Density, Tapped	0.35 - 0.75 g/ml	0.68 g/ml	USP<616>
Country of Origin	India, SE Asia, C. America	India	Production Report
Heavy Metals	<5ppm Total	<1ppm total	ICP-MS/AOAC/USP
	As: <2ppm	0.024ppm	ICP-MS/AOAC/USP
	Cd: <1ppm	0.013ppm	ICP-MS/AOAC/USP
	Hg: <1ppm	0.018ppm	ICP-MS/AOAC/USP
	Pb: <2ppm	0.053ppm	ICP-MS/AOAC/USP
Excipients/Carriers	None	Pass	Production Report
Endangered Spp.	Negative	Pass	Origin Report
GMO State	Non-GMO	Pass	Origin Report
Extraneous Metal	Negative	Pass	Magnetic Screen
Total Plate Count	≤1,000,000 cfu/g	10,000 cfu/g	(AOAC 990.12)
Yeast	≤1000 cfu/g	<100 cfu/g	(AOAC 997.02)
Mold	≤1000 cfu/g	<100 cfu/g	(AOAC 997.02)
Enterobacteriaceae	≤100 cfu/g	<100 cfu/g	(AOAC 2003.01)
Coliform	≤100 cfu/g	<100 cfu/g	(AOAC 991.14)
E. Coli	Negative/10g	Negative/10g	(AOAC 991.14)
Salmonella	Negative/25g	Negative/25g	(AOAC 998.09)
Sterilization	Dry or Steam Heat	Dry Convective Heat	Sterilization Report

QC Director: [REDACTED]

2/17/2021

NOTE: Very hygroscopic; keep inside packaging tightly closed when not
CAUTION: Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly after handling product.
MANUFACTURING USE ONLY: Store in a cool, dry place. Keep packaging tightly closed when not in use. Analytical
results derived from in-house testing, independent analysis, and/or manufacturer provided data. Final product
suitability is at the sole discretion of the buyer.

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