

CERTIFICATE OF ANALYSIS

Product Name	Turmeric Extract	Latin Name	<i>Curcuma long L.</i>
Batch No	PY-TU20190328	Used Part	Root
Quantity	500KG	Analysis Date	Mar.31,2019
Mfg. Date	Mar.28,2019	Exp. Date	Mar.27,2021

No.	Item	Specification	Result
1.	Appearance	Orange-yellow Powder	Complies
2.	Odor & Taste	Characteristic	Complies
3.	Particle Size	NLT 95% pass 60 mesh	Complies
4.	Extract Solvent	Ethyl Acetate	Complies
5.	Assay(by HPLC)	Total Curcuminoids $\geq$ 95.0%	95.10%
		Curcumin 70%-80%	73.7%
		Demthoxycurcumin 15%-25%	16.8%
		Bisdemethoxycurcumin 2.5%-6.5%	4.5%
6.	Loss on Drying	$\leq$ 2.0%	0.61%
7.	Total Ash	$\leq$ 1.0%	0.40%
8.	Heavy Metals	$\leq$ 10ppm	<5ppm
9.	Pb	$\leq$ 2ppm	0.13ppm
10.	As	$\leq$ 3ppm	0.12ppm
11.	Cd	$\leq$ 1ppm	<0.2ppm
12.	Hg	$\leq$ 0.5ppm	<0.1ppm
13.	Tap Density	0.5-0.9 g/ml	0.52 g/ml
14.	Loose Bulk Density	0.3-0.5 g/ml	0.46g/ml
15.	Solvent Residue	$\leq$ 5000ppm	600ppm
16.	Total Plate Count	$\leq$ 10,00cfu/g	850cfu/g
17.	Yeasts & Molds	$\leq$ 1,00cfu/g	50cfu/g
18.	E.Coli	Negative	Negative
19.	Salmonella	Negative	Negative

Store in tightly closed original container, protected from light, moisture, oxygen. Keep in a dry place at room temperature(25.0℃).

Non-GMO, TSE/BSE Free, Non-Irradiation, 100% Natural

Package: Packed in paper-drums and two plastic-bags inside. N.W: 25kgs. I.D.35*H51cm

Conclusion: Conform with specification.

Analyst: xuli

QC: lixiaochen