

## Certificate of Analysis CURQFEN POWDER

Latin Name:	Common name:	Harvest Season:	Mfg. Date & Lot No
<i>Curcuma Longa L</i>	CurQfen®	January - April	16-11-2023 & 1480150
Origin:	Plant part used:	Harvest Method:	Plant :Extract ratio
India	Rhizomes of turmeric & seeds of fenugreek	Cultivated	30-40:1

PARAMETERS	SPECIFICATION	TEST METHOD	RESULT
<b>PHYSICAL CHARACTERISTICS</b>			
Identification	Positive	HPLC	conforms
Ingredients	Turmeric ( <i>Curcuma longa</i> ) rhizome extract and Fenugreek ( <i>Trigonella foenum-graecum</i> ) De-bitterized fenugreek powder rich in soluble dietary fiber	Internal	conforms
Appearance	Free flowing powder	Visual	conforms
Colour	Golden yellow to orange colour	Visual	conforms
Particle size	NLT 90% thru.60 mesh	USP29<786>	98.94 %
Bulk density	0.5-0.6 g/mL	USP 29 <616>	0.54 g/mL
Tap density	0.6-0.7g/mL	USP 29 <616>	0.65 g/mL
<b>CHEMICAL CHARACTERISTICS</b>			
Total Curcuminoids	NLT 35%	HPLC	37.45 %
Moisture content	NMT 5%	USP 29 <921> KF	1.49 %
Residual solvent			
Acetone	As per USP specification	USP 30/NF 25<467>	19 ppm
Ethanol	As per USP specification	USP 30/NF 25<467>	34 ppm
Solubility			
a) In water	Dispersible	Internal	conforms
b) In alcohol	Insoluble	Internal	conforms
<b>HEAVY METALS</b>			
Lead	<1.0 ppm	AOAC 2015.01	0.35 ppm
Mercury	< 0.1ppm	AOAC 2015.01	Not detected
Cadmium	< 0.5 ppm	AOAC 2015.01	Not detected
Arsenic	<0.5 ppm	AOAC 2015.01	Not detected
<b>MICROBIOLOGY</b>			
Total plate count	<3000cfu/g	FDA BAM Ch 3, 2001	800 cfu/g
Yeast & mold	< 100 cfu/g	FDA BAM Ch 18, 2001	<10 cfu/g
E.coli	Absent/g	FDA BAM Ch 4,2002	conforms
Salmonella	Absent/25g	FDA BAM Ch 5,2011	conforms
Coliforms	< 3 MPN/g	FDA BAM Ch 4,2002	conforms
<b>MYCOTOXINS</b>			
B1 + B2 & G1 + G2	<4.0ppb	HPLC ASTA Method24.2	conforms
AflatoxinB1	<2.0ppb	HPLC ASTA Method24.2	conforms
Ochratoxin	<15ppb	Vicam method, AOAC approved	conforms

**Solvents used:** Acetone, Ethanol

**Storage:** Store in tightly sealed containers, preferably in a cool place at 20-30°C protected from direct sunlight.  
Best before: 15-11-2025

Date: December 21, 2023



Manoj V

Manager- Quality Assurance