

<b>Description:</b> Turmeric Extract 85%Curcuminoids Ethanol	<b>Lot #:</b> 918160120
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	<u>Standard</u>	<u>Result</u> *
<b><u>Physical Properties</u></b>		
Appearance	Yellow-Orange Powder	Complies
Identification	Positive	Complies
Extraction Solvent	Ethanol	Ethanol
Carrier Used / Plant Part	None/Root	Complies
Latin Name	Curcuma longa L.	Curcuma longa L.
Bulk Density Loose (Target, gm/cc)	>= 0.4      <= 0.7	0.6
Bulk Density Tap (Target, gm/cc)	>= 0.5      <= 0.9	0.6
Particle size thru # 20 (%)	>= 90	Complies
<b><u>Analytical</u></b>		
Assay (Total Curcuminoids, %)	>= 85.0      <= 95.0	87.53
Assay (Curcumin, %)		77.1
Assay (Demethoxycurcumin, %)		8.8
Assay (Bisdemethoxycurcumin, %)		1.6
Loss on drying (%)	<= 5.0	1.63
ROI (%)	<= 1.0	0.02
Heavy Metals (ppm)	<= 10	Complies***
Lead (ppm)	<= 0.5	0.063
Arsenic (ppm)	<= 1	0.009
Cadmium (ppm)	<= 0.3	0.010
Mercury (ppm)	<= 0.1	0.051
Pesticides Residue	Conforms	Conforms
Residual Solvent Class 1	None detected	Complies
Residual Solvent Class 2	None detected	Complies
Residual Solvent Class 3 (ppm)	<= 5000	Complies
<b><u>Microbiological</u></b>		
APC (CFU/gm)	<=	300
Yeast/mold (CFU/gm)	<= 1000	40
E. coli (CFU/gm)	Negative	Negative
Salmonella (25 gm)	Negative	Negative
Coliforms (CFU/gm)	<= 100	Complies***
S. aureus (CFU/gm)	Negative	Complies***

**Storage Conditions**

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Manufacture date	Jan. 20, 2016
Expiration date	Jan. 20, 2018
Storage	Cool dry place sealed in light resistant container
Manufactured by	Plant # 918
Country of origin	China
Revision #	Rev 4 05/28/2015

Approved By:  Date: 2/7/2017  
Warren K. Majerus  
VP Quality Assurance

\* Test results based on information supplied by the manufacturer, unless otherwise noted.

\*\* Based on third party testing lab results.

\*\*\* Based on results from Pharmore's sampling protocol.

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