

**SABinsa KOREA CORPORATION****사빈사 코리아 (주)**

06132 서울특별시 강남구 테헤란로 151, 1610호(역삼동,역삼하이츠빌딩)

#1610, Yeoksam Heights, 151 Teheran-ro, Gangnam-Gu, Seoul. 06132, Korea

T: +82 2 565 7241 | F: +82 2 565 7242 | E: [info.korea@sabinsa.com](mailto:info.korea@sabinsa.com) | W: <http://www.sabinsa.co.kr>**CERTIFICATE OF ANALYSIS**

**Product:** Curcumin C3 Complex 80 Mesh (Curcuma Longa Extract) FJ  
**Batch No:** C210039E  
**Date of Manufacture :** January 2021  
**Date of Expiry:** December 2025

<b>Botanical/Scientific Name:</b> Curcuma longa	<b>CAS No.:</b> 84775-52-0
<b>Plant Part:</b> Rhizomes	<b>Preparation Type:</b> Extraction
<b>Solvents used for Extraction:</b> Ethanol	<b>Solvents used in Manufacture:</b> None
<b>Final Extract Ratio:</b> 64:1 to 66:1	<b>Excipients used:</b> None
<b>Standardization:</b> Curcuminoids	

Parameter	Result	Limit
<b>PHYSICAL</b>		
Description	Complies	Orange yellow powder*
Identification	Complies	To Comply by HPLC
Loss on drying	0.41% w/w	Not more than 2.0% (dried at 105°C)
Ash content	0.1% w/w	Not more than 1.0% w/w
Tapped bulk density	0.72g/ml	Between 0.50g/ml and 0.90g/ml
Loose bulk density	0.50g/ml	Between 0.30g/ml and 0.50g/ml
Sieve Test ( <i>Passes through</i> )		
80 mesh	100% w/w	Not less than 95% w/w
<b>ASSAY</b>		
Content of total curcuminoids by HPLC	95.85% w/w	Not less than 95.0% w/w and not more than 102.0% w/w on dry basis
Purity by HPLC		
Bisdemethoxycurcumin	2.73%	Not less than 2.5% and not more than 6.5%
Demethoxycurcumin	18.19%	Not less than 15.0% and not more than 25.0%
Curcumin	79.08%	Not less than 70.0% and not more than 80.0%
<b>OTHERS</b>		
Lead	<0.2 ppm	Not more than 3 ppm (µg/g)
Arsenic	<0.2 ppm	Not more than 1 ppm (µg/g)
Cadmium	< 0.2 ppm	Not more than 1 ppm (µg/g)

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Mercury	< 0.02 ppm	Not more than 0.1ppm (µg/g)
Residual solvents - Ethanol	1,405 ppm	Not more than 10,000 ppm (µg/g)
Residual pesticides	Complies	To comply as per USP
<b>MICROBIAL</b>		
Total aerobic microbial count	<100 cfu/g	Not more than 3000 cfu/g
Total Yeast and Mold Count	35 cfu/g	Not more than 100 cfu/g
Escherichia Coli	Complies	Negative/10g
Salmonella	Complies	Negative/10g
Staphylococcus aureus	Complies	Negative/10g
Pseudomonas aeruginosa	Complies	Negative/10g
Bile tolerant Gram negative bacteria	Complies	Negative/10g
Coliforms	Complies	Negative/10g

**Shelf Life:** 5 Years**Storage condition:** Store at room temperature**Cultivated or Wild Crafted:** Cultivated**Sanitising treatment:** Not-irradiated and not treated with ETO**Certification Status (Kosher/Halal):** Kosher certified, Halal certified**Genetic Modification Status:** GMO free**BSE/TSE Status:** BSE/TSE free**Manufactured by:** SAMI-SABINSA GROUP LIMITED, 19/1 & 19/2, I Main, II Phase, Peenya, Industrial Area, Bangalore – 560058, Kamataka, India**Country of Origin:** India※ **Disclaimer:** Suitability of this product for its particular use is at the sole discretion of the purchaser.

\*Since it is a herbal product, there is likely to be minor color variation because of the geographical and seasonal variations of the raw material.

\*Natural products can be hygroscopic and may agglomerate sometimes. It is suggested to sift the product before use.

For Sabinsa Korea Corporation

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Date: