



## Certificate of Analysis

**Product Name:** Spirulina Tablet

**Botanical Name:** *Arthrospira platensis*

**Manufacturing Date:** Mar 06, 2017

**Lot Number:** SRST17003

**Country of Origin:** China

**Part Used:** Whole Plant

**Expiry Date:** Mar 05, 2020

**Quantity:** 1000 kg

**Pack Size:** 25 kg/drum

检测项目 Testing Item	规格 Specification	检测结果 Test Result	检测方法 Test Method
外观 Appearance	Dark Green tablet	Dark Green tablet	Organoleptic
气味 Odor	Spirulina Characteristic	Spirulina Characteristic	Organoleptic
鉴定 Identification	Complied to Standard	Complied to Standard	Scientific Method
水分 Moisture	≤ 7.0 %	6.92 %	GB 5009.3-2010
灰分 Ash	≤ 8.0 %	7.45 %	GB 5009.4-2010
片重 tablet Size	250mg	250mg	AOAC 973.03
叶绿素 Chlorophyll	11-14 mg/g	12 mg/g	UV Spectrophotometry
类胡萝卜素 Carotenoid	4.0-5.5 mg/g	4.1 mg/g	AOAC 924.04
藻青苷 Crude Phycocyanin	12-19 %	13 %	UV Spectrophotometry
微囊藻毒素 Microcystin	≤ 10 ppb	Negative	AOAC Immunoassay
蛋白质 Protein	≥ 60 %	63.85%	GB 5009.5-2010
<b>Heavy Metals</b>			
砷 arsenic	≤ 2ppm	0.31ppm	ICP/MS or AAS
铅 Lead	≤ 2 ppm	0.1ppm	ICP/MS or AAS
镉 Cadmium	≤ 0.3 ppm	0.03ppm	ICP/MS or AAS
汞 Mercury	≤ 0.1 ppm	0.1ppm	ICP/MS or AAS
<b>Microbiological Test</b>			
菌落总数 Aerobic Plate Count	≤ 100,000 cfu/g	19000cfu/g	GB 4789.2-2010
酵母菌及霉菌数 Yeast and Mold	≤ 300 cfu/g	<10cfu/g	FDA BAM 7 <sup>th</sup> ed.
大肠杆菌群 Coliform	<10 cfu/g	<10cfu/g	AOAC 966.24
大肠杆菌沙门氏菌 <i>E.coli Salmonella</i>	Negative/25g	Negative	USP <2022>
葡萄球菌 <i>Staphylococcus aureus</i>	Negative/25g	Negative	USP <2022>
黄曲霉毒素 Aflatoxins	≤ 20 ppb	Complied	HPLC
<b>Polycyclic Aromatic Hydrocarbons(PAH)</b>			
Sum of Benz(a)anthracene, Chrysene, Benzo(a)pyrene, Benzo(b)fluoranthene	< 50ppb	12.2 ppb	GS-MS
Benzo(a)pyrene,	<10ppb	0.9 ppb	GS-MS

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