



KS

Nutripharma

陕西康盛生物技术有限公司

SHAANXI KINGSCI BIOTECHNOLOGY CO., LTD.

Add: Rm 801-802 Fuedun International Fortune Center, Wenjing Rd, Xi'an 710018 China

Tel: 029-86181961

Fax: 029-86181551

www.kingsci.com

Certificate of Analysis

Product Name	Bilberry Fruit Extract	Part Used	Berry Fruit	
Latin Name	Vaccinium myrtillus	Manufacture Date	June,18,2021	
Batch No.	KS-20210618	Analysis Date	June,19,2021	
Quantity	800kgs	Expiry Date	June,17,2023	
ITEMS	SPECIFICATIONS	RESULTS	METHODS	
Appearance	Dark –violet fine powder	Complies	Visual	
Odor	Characteristic	Complies	Organoleptic	
Taste	Characteristic	Complies	Organoleptic	
Identification	In Citric Acid buffer solution (pH3), red appears	Complies	Chemical test	
Anthocyanidins content(By UV)	≥25.00%	25.43%	UV	
Anthocyanin content(By HPLC)	≥36.0%	36.39%	HPLC	
Loss on drying	≤5.0%	2.72%	3h/105°C	
Granular size	100%Through 80 mesh sieve	Complies	80 mesh sieve	
Residue on Ignition	≤3.0%	1.26%	5h/750°C	
Extract Solvent		Ethanol		
Residual solvent				
Ethanol	≤500 ppm	Complies	GC	
PH	3-4	3.25	CP2005	
Untapped Density	45.0~55.0g/100mL	46.2g/100mL		
Tapped Density	60.0~75.0g/100mL	61.9g/100mL		
Heavy metals	≤20ppm	Complies	Colorimetry	
As	≤2ppm	Complies	AAS	
Pb	≤2ppm	Complies	AAS	
Cd	≤1ppm	Complies	AAS	
Hg	≤1ppm	Complies	AAS	
Microbiological control				
Total plate count	≤1000cfu/g	20cfu/g	CP2010	
Yeast & mold	≤100cfu/g	10cfu/g	CP2010	
Escherichia coli	Negative	Complies	CP2010	
Salmonella	Negative	Complies	CP2010	
Storage	Store in cool & dry place, keep away from strong light and heat			
Shelf life	24 months when properly stored			
QC	Qu Jiaojiao	QA	Li Yaqiang	