



XI'AN NATURAL FIELD BIO-TECHNIQUE CO., LTD

ADD: 4-1-1019, I-city, No.11 Tangyan South Road, GaoXin Zone, Xi'an City710065 China

Tel: 0086-29-68740716

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Certificate of Analysis

Product name:	Apricot kernel extract/ AMYGDALIN (Vitamin B17, Laetrile)		
CAS No:	29883-15-6	Used part:	seed
Plant Latin name:	Prunus armeniaca. L.	Chemical Name:	Benzeneacetonitrile, α- -[(6-O-β-D-glucopyranosyl-β- D-glucopyranosyl) oxy] -,
Batch Number:	NF-20160801	Manu. Date:	Aug.01.2016
Batch Size:	22KGS	Expiration Date:	Jul.31.2018
Net Weight:	22KGS	Report Date:	Aug.01.2016
Storage Condition:	Preserve in tight containers at controlled room temperature .		

Item	Specification	Result	Method
Maker Compounds (on dry basis)	≥99.00%	99.38%	HPLC
Organoleptic			
Appearance	white crystalline powder	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Extract Solvent	Ethanol & water	Conforms	GC-MS
Excipient	None	Conforms	
Physical			
Particle Size	NLT100% Through 80 mesh	Conforms	GB5507-85
Loss on Drying	≅ 1.5%	0.73%	CP2010
Ash content	≅ 0.20%	0.06%	CP2010
Residual Solvent	<3000ppm	ETHANOL:780pp	GC-MS
Melting Point	215.3℃~217.6℃	215.3℃~217.6℃	CP2010
optical rotation [α] ²⁰ _D	-40 °----- -45 °	-42 °	
Solubility	1g soluble in 12ml water, 900ml ethanol and 11ml boiling ethanol, easy soluble in boiling water and insoluble in Diethyl ether.		
Heavy metals			
Total Heavy Metals	≤5.0ppm	Conforms	Atomic Absorption
As	≤0.1ppm	Conforms	Atomic Absorption
Pb	≤0.1ppm	Conforms	Atomic Absorption
Hg	≤0.01ppm	Conforms	Atomic Absorption
Cd	≤0.01ppm	Conforms	Atomic Absorption
Impurities:			
Total Impurities	≅ 1.0%	0.52%	
Any other single impurity	≅ 0.5%	0.19%	
Microbiological Tests			
Total Plate Count	≤1000cfu/g	Conforms	AOAC
Total Yeast & Mold	≤100cfu/g	Conforms	AOAC
E.Coli	Negative	Negative	AOAC



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Salmonella	Negative	Negative	AOAC
Staphylococcus	Negative	Negative	AOAC
Arlatoxins	≤0.2ppb	Conforms	AOAC
Conclusion:	Conform to enterprise standard		
Tested by:	Fangchao yang	Approved by:	Jiuheng Niu

