



Shaanxi LonierHerb Bio-Technology Co., Ltd.

Add: Tuanjie South Road No.11, Hi-tech Zone, Xi'an China

Tel: +86-29-87551862/ 85875292

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Certificate of Analysis

Product Information

Product Name	Mixed Tocopherol	Batch Quantity	800KG
Specification:	90%	Batch Number	MTL20200517
Manufacture Date	2020.05.06	Expiry Date	2022.05.05

Test items	Specifications	Result	Test Methods
Appearance	Brownish red Nearly odorless	Conforms	Visual
Odor and Taste	Clear viscous oily liquid	Conforms	Organoleptic
Identification	Positive	Conforms	HPLC
Acidity	<1ml	0.07 ml	USP
Specific Rotation	>+20°	Conforms	USP
Content of total tocopherols	NLT90%	93.90%	HPLC
Alpha tocopherol		7.65%	HPLC
Beta tocopherol+		62.90%	HPLC
Gamma tocopherol		23.35%	HPLC
Delta Tocopherol			
D-(beta+gamma+delta) tocopherol in total tocopherols	NLT80%	92.00%	HPLC

Contaminants

Lead (Pb)	<2.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<1.0mg/kg	Conforms	ICP-MS

Microbiological

Total Aerobic Count	≤ 1000cfu/g	120cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

Conclusion: Conform to the in-house Standard and USP36.

Storage & Packing

Shelf Life:	24 months in the unopened original container.
Packing :	20kg/190kg steel drums (Food Grade).
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

It shall be stored at ambient temperature, dry conditions, protected from heat, light and oxygen.

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:





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