

Certificate of Analysis

Product Information

Product Name	Castor Bean Extract Powder	Report Number	CBN20211241
Botanical Name	Ricinus communis L.	Manufacture Date	2021/12/16
Used Part	Seed	Analysis Date	2021/12/21
Batch Number	CBN211216	Report Date	2021/12/26
Batch Quantity	1000KG	Expiry Date	2024/12/15

Test items	Specifications	Result	Test Methods
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Active Ingredients

Extract Ratio	10:1	Conforms	TLC
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Physical & Chemical Data

Appearance	Brown Yellow Fine Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	3.16%	105°C/2 hrs
Total Ash	≤5.0 %	3.09%	GB 5009.4
Bulk Density	40~60 g/100mL	54.8 g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	66.9 g/100mL	GB/T 18798.5

Contaminants

Lead (Pb)	<3.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<2.0mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.1mg/kg	Conforms	ICP-MS

Microbiological

Total Aerobic Count	≤ 1000cfu/g	165cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	50cfu/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

Conclusion	To be complied with in-house Specification
Shelf Life	3 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

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

Tested by: 张丽娜

Checker: 李明

Approved:

