

**Hangzhou New Asia International Co., Ltd**

189 FengQi East Road, TSN Plaza 4-706

Hangzhou, Zhejiang, 310020, P.R.China

Tel: 86-571-85815391**Fax:** 86-571-85815449**E-mail:** sales@herbalsextract.com**Website:** www.herbalsextract.com**CERTIFICATE OF ANALYSIS****Rhubarb Extract**

Emodin 50% HPLC

Lot Number: RBB-220103

Manufacture Date: 2021/01/10

Expiry Date: 2023/01/09

General Information			
Part Used	Root	Solvents Used	Water/Ethanol
Botanical Source	<i>Rheum palmatum L, Rheum ta</i>	Country Of Origin	China
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	Yellow Brown	Organoleptic	Conform
Odor	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPTLC	Identical
Emodin	≥50.0%	HPLC	50.68%
Sieve analysis	100% through 80 mesh	USP	Conform
Loss on Drying	≤5.0%	Eur.Ph.	4.62%
Total Ash	≤5.0%	Eur.Ph.	4.01%
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Eur.Ph. ICP-MS	Conform
Arsenic (As)	≤2.0 mg/kg	Eur.Ph. ICP-MS	Conform
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph. ICP-MS	Conform
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph. ICP-MS	Conform
Solvents Residue	Meet Eur.Ph.7.0<5.4>	Eur.Ph	Conform
Pesticides Residue	Meet USP Requirements	USP	Conform
Microbiological			
Total Plate Count	≤10,000 cfu/g	USP	Conform
Yeast &Mold	≤100 cfu/g	USP	Conform
E.Coli.	Negative	USP	Conform
Salmonella	Negative	USP	Conform
General Status			
Packing&Storage	Packed in paper-drums and two plastic-bags inside. N.W:25kgs. Store in a well-closed container Away from moisture, light, oxygen.		
Shelf life	24 months under the conditions above and in its original packaging.		
Remarks	Non-Irradiation, Non-GMO, Non-Allergen		

Analytical Laboratory Manager:**Date: 2022.01.17**

王海