

**Certificate of Analysis**

<b>Product Information</b>			
Product Name	Rhubarb Root Extract Powder	Report Number	RRP20211134
Botanical Name	Rheum palmatum	Manufacture Date	2021/11/09
Used Part	Root	Analysis Date	2021/11/14
Batch Number	RRP211109	Report Date	2021/11/19
Batch Quantity	500Kg	Expiry Date	2024/11/08
<b>Test Items</b>	<b>Specifications</b>	<b>Result</b>	<b>Test Methods</b>
<b>Active Ingredients</b>			
Assay	≥10.0% Total Anthraquinone	10.32%	HPLC
<b>Physical &amp; Chemical Data</b>			
Appearance	Brown 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 %	2.68%	105°C/2 hrs
Total Ash	≤5.0 %	0.51%	GB 5009.4-2016
Bulk Density	40~60g/100mL	49.2g/100mL	GB/T 18798.5
Tap Density	50~80g/100mL	51.5g/100mL	GB/T 18798.5
<b>Contaminants</b>			
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
<b>Microbiological</b>			
Total Aerobic Count	≤1000cfu/g	175cfu/g	GB 4789.2
Yeast & Moulds	≤100cfu/g	30cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10
<b>Conclusion</b>			
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:

