

## CERTIFICATE OF ANALYSIS

Product Name	Diosmin Granulated	Batch No.	DEF02-2406003
Origin	China	CAS number	520-27-4
Manufacture Date	27/06/2024	Expiry Date	26/06/2027
<b>Item</b>	<b>Standard</b>	<b>Result</b>	<b>Analysis Method</b>
Appearance	Greyish-yellow or pale brown particles		Visual
<b>Typical Analysis</b>			
Identification	Must positive	Positive	IR / HPLC
Solubility	Practically insoluble in water, soluble in dimethyl sulphoxide, practically insoluble in alcohol. It dissolves in dilute solutions of alkali hydroxides.	Complies	Visual
Iodine	≤0.1%	< 0.1%	Potentiostat
Related substances (Impurity By HPLC)			
A: acetosovanillone	≤0.5 %	0.01%	HPLC
B: hesperidin	≤4.0 %	0.87%	HPLC
C: isorhoifolin	≤3.0 %	0.69%	HPLC
D:6-iododiosmin	≤0.6%	0.54%	HPLC
E: linarin	≤3.0 %	1.13%	HPLC
F: diosmetin	≤2.0 %	0.42%	HPLC
Unspecified impurities	≤0.4%	0.35%	HPLC
Total impurities	≤8.5 %	4.49%	HPLC
Sulfated ash	≤0.2%	0.02%	EP10.0
Water	≤6.0%	3.53%	Karl Fischer
Particle size	≥80% pass through 24 mesh	Complies	CP2020
Assay by HPLC	90.0% —102.0%	95.31%	HPLC
<b>Microorganism</b>			
Total Plate Count	≤1000cfu/g	20cfu/g	EP10.0
Yeast and Mold	≤100cfu/g	< 10cfu/g	EP10.0
E.Coli	Negative/10g	Negative	EP10.0
Salmonella	Negative /25g	Negative	EP10.0
Package	Packed In 25kgs/Drum		
Shelf life	3 Year When Properly Stored		
Storage	In Tight, Light-resistant and Dry Place. Avoid Direct Sunshine.		

**Analyst:** Yanan Zhang

**Inspect:** Qingyu Zhao

**Q.C** Hongyu Zhang

 .....  
 Authorized Signature(s)