

## CERTIFICATE OF ANALYSIS

Product Name: Diosmin  
 Batch No.: 250703  
 Manufacture Date: Jul. 03, 2025  
 Expiry Date: Jul. 02, 2028

Specification: EP11.0  
 Batch Quantity: 1000 kg  
 Report Date: Jul. 15, 2025  
 CAS#: 520-27-4

ITEM	SPECIFICATIONS	RESULTS
<b>CHARACTERS</b> Appearance Solubility	Greyish-yellow or light yellow, hygroscopic powder. Practically insoluble in water, soluble in dimethyl sulfoxide, practically insoluble in ethanol (96%). It dissolves in dilute solutions of alkali hydroxides.	Greyish- yellow, hygroscopic powder. Conforms
<b>IDENTIFICATION</b> A. Infrared absorption spectrophotometry (2.2.24) B. Examine the chromatograms obtained in the assay	Comparison: diosmin CRS. The principal peak in the chromatogram obtained with the test solution is similar in retention time and size to the principal peak in the chromatogram obtained with the reference solution(a).	Conforms Conforms
<b>TESTS</b> <b>Iodine (2.2.36) &amp; (2.5.10)</b> <b>Related substances (HPLC) (2.2.29)</b> Impurity A: acetoisovanillone Impurity B: hesperidin Impurity C: isorhoifolin Impurity D: 6-iododiosmin Impurity E: linarin Impurity F: diosmetin Impurity G: hesperetin Unspecified impurities, for each impurity Total impurities	$\leq 0.1\%$ $\leq 0.5\%$ $\leq 4.0\%$ $\leq 3.0\%$ $\leq 0.6\%$ $\leq 3.0\%$ $\leq 2.0\%$ $\leq 0.4\%$ $\leq 0.4\%$ $\leq 8.5\%$	$< 0.1\%$ 0.02% 0.48% 2.77% 0.09% 2.09% 0.98% 0.00% 0.29% 6.72%
Heavy metals	ICH Q3D	Conforms
Water (2.5.12)	$\leq 6.0\%$	3.65%
Sulfated ash (2.4.14)	$\leq 0.2\%$	0.10%
<b>ASSAY (HPLC), anhydrous substance (2.2.29)</b>	<b>90.0%--102.0%</b>	<b>92.65%</b>
<b>PARTICLE SIZE (Laser particle analyzer)</b>	95% pass 80 mesh	Conforms
<b>RESIDUAL SOLVENTS (2.4.24) &amp; (5.4)</b> Methanol Ethanol Pyridine	$\leq 3000\text{ppm}$ $\leq 5000\text{ppm}$ $\leq 200\text{ppm}$	0ppm 0ppm 146ppm
<b>MICROBIOLOGICAL TESTS (2.6.12) &amp; (2.6.13)</b> Total Plate Count Yeasts and Molds Salmonella E.Coliform	$< 10^3\text{cfu/g}$ $< 10^2\text{cfu/g}$ Negative in 1g Negative in 1g	97cfu/g $< 10\text{cfu/g}$ Negative in 1g Negative in 1g
<b>CONCLUSION: THE TEST RESULTS CONFORM TO EP11.0</b>		
<b>STORAGE: IN AN AIRTIGHT CONTAINER.</b>		

Analyst: 06

QC Supervisor: 01