Rainwood SWEETENERS

SPECIMEN CERTIFICATE OF ANALYSIS
SW-008 · PLANT-DERIVED

Neohesperidin Dihydrochalcone (NHDC) 98%

$C_{28}H_{36}O_{15}$ · CAS 20702-77-6 · Neohesperidin dihydrochalcone, hydrogenated citrus flavonoid

SPECIMEN — LIMITS ONLY · BATCH RESULTS ISSUED WITH THE LOT

PRODUCT	IDENTITY / FORM	CAS	SPECIFICATION VERSION
Neohesperidin Dihydrochalcone (NHDC) 98%	Neohesperidin dihydrochalcone, hydrogenated citrus flavonoid	20702-77-6	Catalog · confirmed at quotation
BATCH NUMBER	**MANUFACTURE DATE**	**RETEST DATE**	**RELEASE DECISION**
Issued with the lot	Issued with the lot	Issued with the lot	Issued with the lot

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	METHOD
Neohesperidin dihydrochalcone	≥98.0% (HPLC)	As stated
Neohesperidin	≤1.0% (HPLC)	As stated
Appearance	White to off-white powder	As stated
Moisture	≤5.0%	As stated
pH (1% solution)	5.0–7.0	As stated
Solubility	Slightly soluble in water; soluble in ethanol	As stated
Particle size	≥95% through 80 mesh	As stated
Bulk density	0.35–0.65 g/mL	As stated
Heavy metals	Pb ≤0.5 · As ≤0.5 · Cd ≤0.5 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Marker / profile	NHDC ≥98%, neohesperidin ≤1%	Identity
Solubility	Slightly soluble in water; a co-solvent or a diluted pre-mix is usually needed in beverages.	Matrix dependent

LOT FIELDS

A batch-specific certificate replaces the fields above with the measured result, the method actually used, the batch number, the manufacture and retest dates, and the release signature. The catalog limits on this page are the release window, not a result.

STATEMENT

This specimen shows the format and the release specification. It is not a batch COA and must not be presented as one. The COA that ships with a lot is issued from the released batch and is available before dispatch.

Pack and storage. 1 kg foil pouch · 25 kg fiber drum. Store closed in a cool, dry place, away from direct sunlight and moisture. The lot-specific retest date is shown on the batch certificate.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · sweeteners.rainwoodbio.com