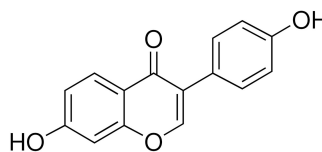


Certificate of Analysis

Product Name : Daidzein ≥98%, synthetic
Product Number : D7802-BULK
Batch Number : 0000083018
CAS Number : 486-66-8
Storage Temperature : Freezer -20°C
Molecular Formula : C₁₅H₁₀O₄
Formula Weight : 254.24
Recommended Retest Date : Jan 2023
Quality Release Date : 12 Feb 2020



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Color)	Off-White to Light Yellow	Off-White
Solubility (Solvent)	Dimethylsulfoxide	Dimethylsulfoxide
Solubility (Conc)	9.80 - 10.20 mg/ml	10.00 mg/ml
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
Solubility (Color)	Colorless to Light Yellow	Colorless
Water (by Karl Fischer)	≥ 0.00 %	0.62 %
Elemental Anal. (%C Anhydrous)	70.40 - 71.40 %	70.64 %
Purity (TLC)	≥ 98.00 %	100.00 %
NMR (Solvent)	DMSO-d ₆	DMSO-d ₆
Identity by NMR	Consistent	Consistent with Structure
NMR (Residual Solvent 1)	Methanol	Methanol
NMR (% Solvent 1)	≤ 2.00 %	0.00 %
NMR (Residual Solvent 2)	Ethanol	Ethanol
NMR (% Solvent 2)	≤ 2.00 %	0.00 %
NMR (Total % Resid.Solvents)	≤ 2.00 %	0.00 %
Storage Conditions	Under Argon	Under Argon

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Anna Bendersky, Quality Control Manager
Quality Control
Israel
IL

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