

CERTIFICATE OF ANALYSIS

Product Description: **α-Naphthaleneacetic Acid**
 Product Number: N 600
 Lot Number: 98A60001
 Storage Temperature: RT
 Molecular Weight: 186.2
 Formula: C₁₂H₁₀O₂
 CAS Number: 00086-87-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Physical Appearance:	White to Pale Yellow Powder	Complies
Solubility	0.5% in MeOH; Clear, Slightly Yellow Solution	Complies
Water (Karl Fischer):	< 3.0%	0.0%--Complies
Melting Point:	284 ! 4 C	283-286--Complies
Assay, Titration (NaOH)	97+%	99.7%--Complies
Elemental Analysis: 97+%	C—77.4%--Theoretical H—5.41%--Theoretical N—0.00%--Theoretical	C—77.0%--Complies H—5.32%--Complies N—0.05%--Complies
Infrared:	Reference:	Complies to Reference
Ultraviolet	E ₂₈₁ μ 6,000; (Extraction in H ₂ O)	6266--Complies

Biological Testing:

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports or Facilitates Plant Growth and/or Shoot Proliferation in two or more plant tissue cultures	African Violet	Passes—Supported plant growth with no morphological aberrations to plants
	Boston Fern	Passes—Supported plant growth with no morphological aberrations to plants