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## Product Specification

Product Name:  
5-Carboxyfluorescein – 99% (HPLC)

Product Number: C0537  
CAS Number: 76823-03-5

Formula: C<sub>21</sub>H<sub>12</sub>O<sub>7</sub>  
Formula Weight: 376.3 AMU

TEST	Specification
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Appearance (Form)	Powder
Appearance (Colour)	Light Yellow to Dark Yellow and Light Light yellow to dark yellow and light orange to dark orange and yellow-orange and orange-yellow
Solubility (Solvent)	0.1N NaOH
Solubility (Conc)	9.80 - 10.20 mg/ml
Solubility (Turbidity)	Clear to Slightly Hazy
Solubility (Color)	Orange and Orange-Brown
Water (by Karl Fischer)	≤ 7.00 %
Elemental Anal. (%C anhydrous)	66.10 - 68.00 %
NMR (Solvent)	CD <sub>3</sub> OD
Proton NMR spectrum	Conforms to Structure
NMR (Residual Solvent 1)	Ethanol
NMR (% Solvent 1)	≤ 0.50 %
NMR (Residual Solvent 2)	Acetone
NMR (% Solvent 2)	≤ 0.50 %
Purity (HPLC)	≥ 99.0 %
Storage Conditions	Dessicated and Protected from Light
Recommended Retest Period	-----
3 Years	

Specification: PRE.0.ZQ5.10000004028

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.