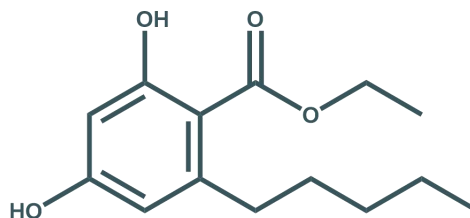


Certificate of Analysis

Ethyl 2,4-Dihydroxy-6-pentylbenzoate

Product No.: BA77
Lot No.: BA77-20250331
Description of CRM: Ethyl 2,4-Dihydroxy-6-pentylbenzoate
CAS No.: 38862-65-6
Chemical formula: C₁₄H₂₀O₄
Mfg. Date: Mar.31, 2025
Retest Date: March 2026
Storage: Store unopened in cold (2 °C to -8 °C).

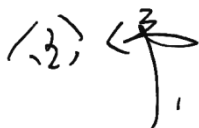


Quantity: 2Kg
Appearance: Light yellow powder
Packaging: Plastic bottle
Details on starting Each raw material utilized has been identified and thoroughly characterized through.
Materials: The use of multiple analytical techniques and is assigned a Mass Balance Purity Factor. Spectral data is provided on subsequent pages of this COA.
Certificate of Origin: Blazer Corporation certifies no material of animal origin (BSE/TSE) was used in the preparation of this product .
Country of Origin: China

Quality Assurance Manager

Mar 31,2025

Issue Date



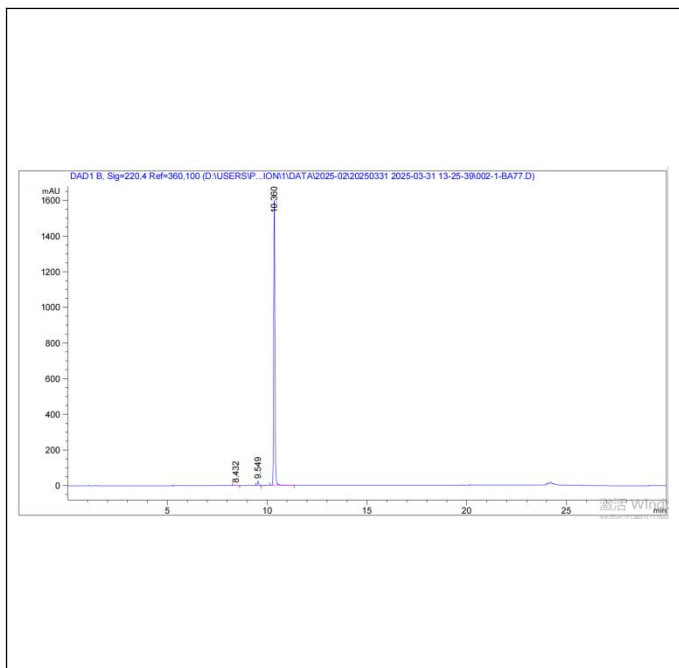
Analyte Certification - Mass Balance Purity Factor

Each analyte is thoroughly identified and characterized using an orthogonal approach. A mass balance purity factor is assigned incorporating chromatographic purity and residual impurities. The mass balance purity factor is utilized to calculate the weighing adjustment necessary to ensure accuracy of the solution standard concentration.

Material Name:	Ethyl 2,4-Dihydroxy-6-pentylbenzoate	Chemical Formula:	C ₁₄ H ₂₀ O ₄
		CAS Number:	38862-65-6
Material Lot:	BA77-20250331	Molecular Weight:	252.31
Material Characterization Summary			
Analytical Test	Stanard	Results	
Chromatographic Purity by HPLC/UV Analysis	≥98%	98.43%	
Identity by LC/MS Analysis	Consistent with Structure	Consistent with Structure	
Identity by ¹ H-NMR Analysis	Consistent with Structure	Consistent with Structure	
Residual Water Analysis by Karl Fischer Coulometry	1%	0.6%	
Mass Balance Purity Factor		98.43%	
• The chromatographic purity is calculated as the average of two independently performed analyses utilizing two different methods. Acceptance criteria requires the purity values to be within 0.5% of each other. • The chromatographic purity value is used to calculate the Mass Balance Purity Factor. • Mass Balance Purity Factor = [(100 - wt% residual solvent - wt% residual water - wt% residual inorganics)xChromatographic Purity/100]. • Mass Balance Purity Factor does not include adjustment for chiral and/or isotopic purity.			

Spectral and Physical Data

HPLC/UV



Column: Ascentis Express C18, 2.7 μ m, 3.0 x 100 mm

Mobile Phase: A: Acetonitrile
B: 0.1% Phosphoric acid in Water

Gradient:

Time (min)	% A	% B
0.0	40	60
5.0	70	30
10.0	90	10
15.0	90	10
25.0	95	5
25.1	40	60
27.0	40	60

Flow Rate: 0.8 mL/min

Wavelength: 220 nm

Sample Name BA77-20250331

Acquired: Mar.31, 2025

Peak #	Ret Time	Area %
1	8.432	0.2043
2	9.549	1.3671
3	10.360	98.4286

¹H NMR

Instrument: JEOL ECZ400S

Solvent: Choloform- D

