

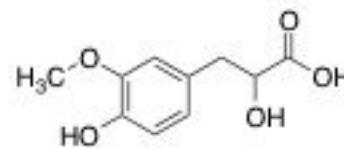
# CERTIFICATE OF ANALYSIS

## 1. Identification

Catalogue Number V097200 Lot Number 2-RPY-46-1

Product Name  
Vanillactic Acid

Synonyms  
α,4-Dihydroxy-3-methoxy-benzenepropanoic Acid;

Structure

CAS Number

2475-56-1 Solubility  
Methanol (Slightly), THF (Slightly),  
Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room  
Temperature

Molecular Formula

C<sub>10</sub>H<sub>12</sub>O<sub>5</sub> Source of Product

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

212.2 Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Brown to Dark Brown Thick Oil to Solid	Brown to Dark Brown Sticky Solid to Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 57.49, %H: 5.91
HPLC Purity	>95%	96.60% (205 nm)
MS	Conforms to Structure	Conforms

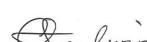
## Additional Information

Contains: ~1.0% Ethyl Acetate, ~2.6% THF

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  2%. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
 Nicole Yip Product Quality Specialist	 Toni Rantanen Manager, Quality Assurance	 Christina Gouliaras Quality Assurance Associate	8/25/2022	8/23/2026