

Certificate of Analysis

4-Hydroxybenzoic acid

PurCert Standard

(Secondary Reference Standard)

Product Number	PSR40808	CAS No.	99-96-7
Brand	PureSynth	Lot No.	H40808P0125
Molecular Formula	C ₇ H ₆ O ₃	Date of Mfg.	January, 2025
Molecular Weight	138.12 g/mol	Date of Exp.	December, 2028

Test	Specification	Result
Description	White powder or Crystals	White powder
Assay (HPLC)	≥ 99.8 %	99.98 %
Water (By KF)	NMT 0.6 %	0.216 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

***Traceable to USP Reference standard 1544964, Lot No: F015W0.**

Storage Condition: Store at room temperature and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

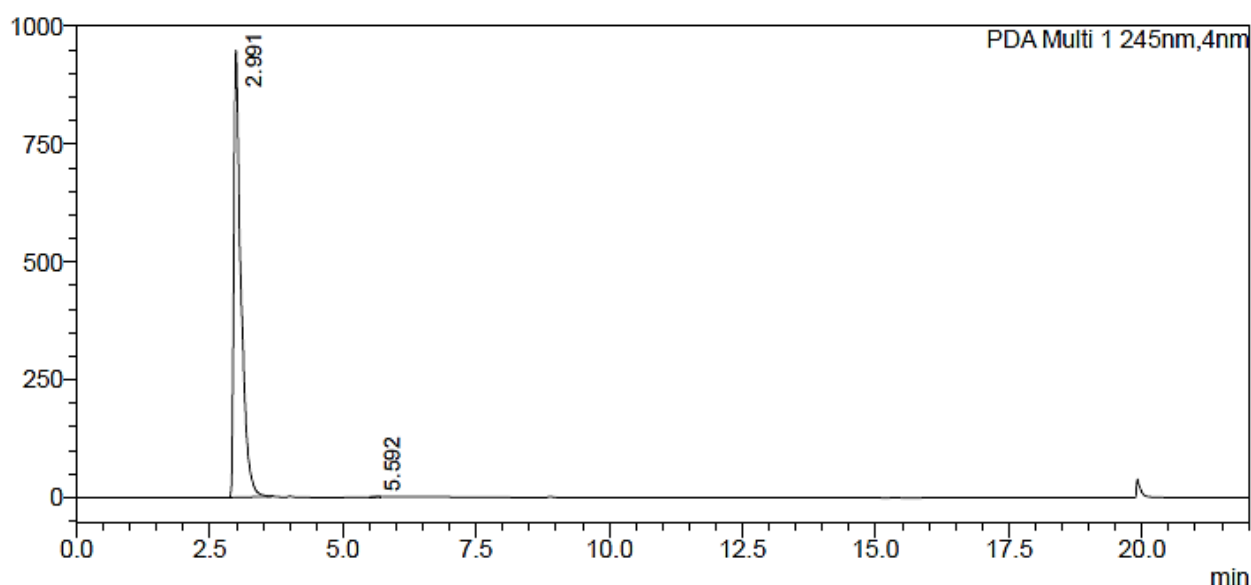
Assay by HPLC

<Sample Information>

Acquired by : System Administrator
Sample Name : 4-Hydroxybenzoic acid-H40808P0125
Tray# : 3
Vial# : 5
Injection Volume : 10 uL
Data Filename : AR25000197-4-Hydroxybenzoic acid-H40808P0125.lcd
Method Filename : shimpack-AA90-ACN-10-1.lcm
Batch Filename : 27-2-2025-1.lcb
Report Filename : DEFAULT.lsr
Date Acquired : 2/27/2025 11:17:14 AM
Date Processed : 2/27/2025 12:14:58 PM

<Chromatogram>

mAU



<Peak Table>

PDA Ch1 245nm

Ret. Time	Area	Area%	Height
2.991	8881867	99.980	947967
5.592	1737	0.020	247
	8883604	100.000	948214

Purity by HPLC: 99.98 %

IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

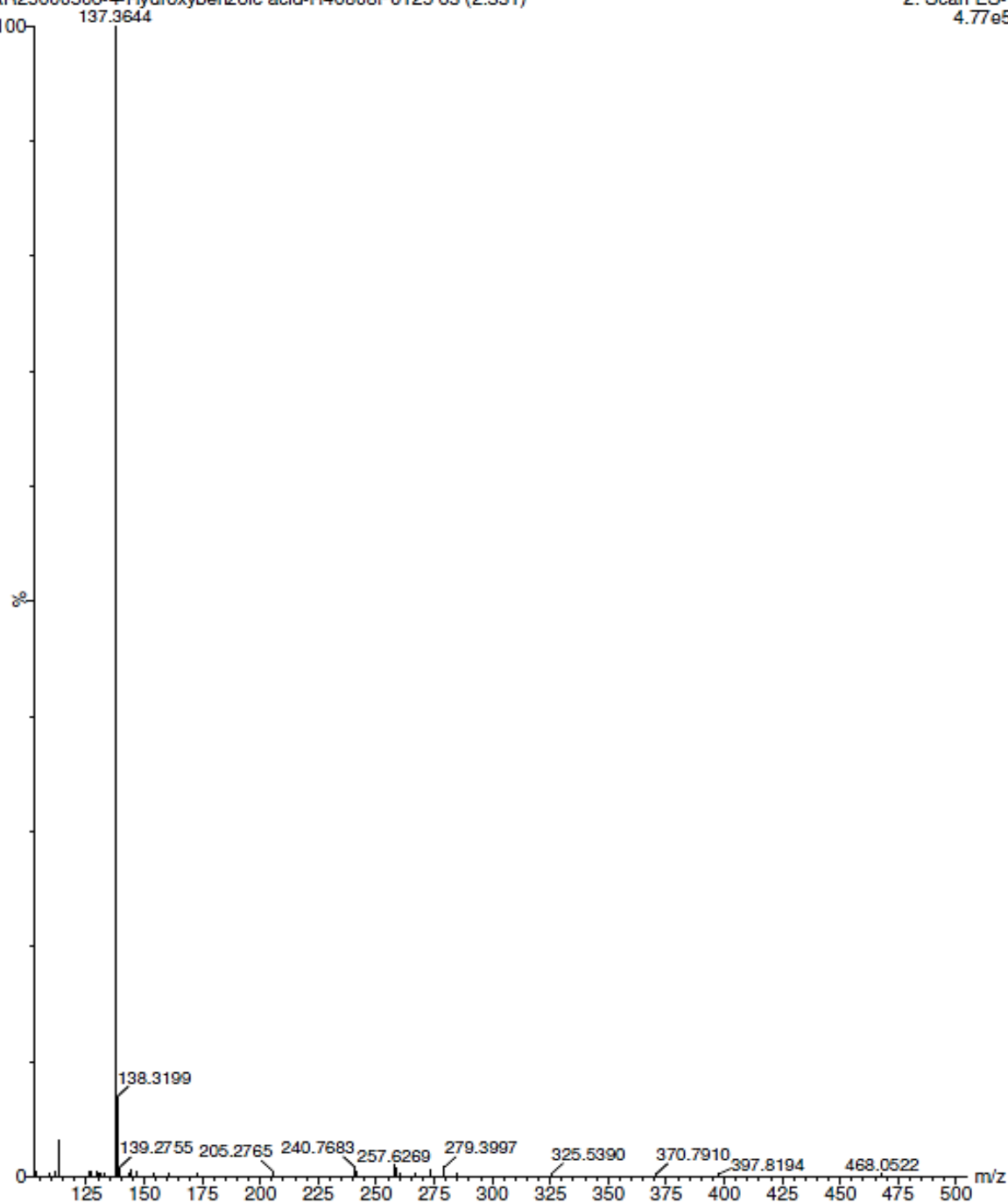
Product Name: 4-Hydroxybenzoic acid

Product Code: PSR40808

27-Feb-2025 14:00:34

2: Scan ES-
4.77e5

AR25000506-4-Hydroxybenzoic acid-H40808P0125 63 (2.331)



Identification by MS: Conforms to molecular mass

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

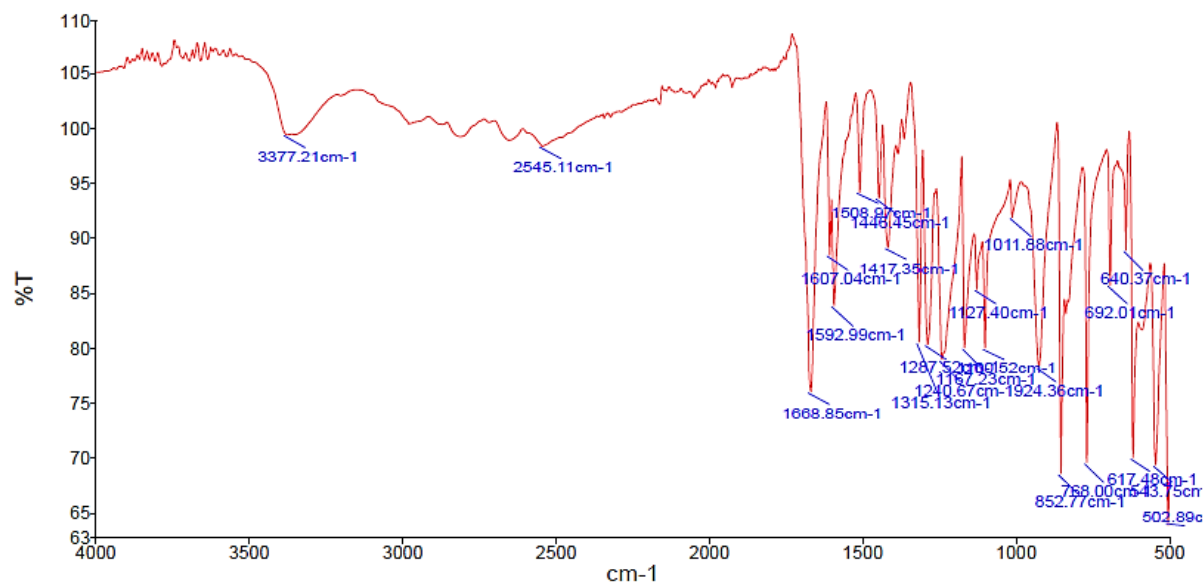
Infrared spectrum:

Product Name: 4-Hydroxybenzoic acid

Product Code: PSR40808

Analyst

Date



AR25000236-4-Hydroxybenzoic acid-H40808P0125_1

Sample 069 By Analyst Date Thursday, February 27 2025

Source Spectra Results		
Spectrum Name	Number Of Peaks	
AR25000236-4-Hydroxybenzoic acid-H40808P0125_1	33	
List of Peak Area/Height		
Peak Number	X (cm-1)	Y (%T)
1	3786.59	105.71
2	3697.00	106.18
3	3660.62	106.20
4	3636.99	106.34
5	3377.21	99.44
6	2814.00	99.29
7	2653.42	98.97
8	2545.11	98.42
9	2050.31	102.83
10	1925.88	103.78
11	1668.85	76.07
12	1607.04	88.50
13	1592.99	83.92
14	1508.97	94.21
15	1446.45	93.66
16	1417.35	89.17
17	1364.66	99.09
18	1315.13	80.59
19	1287.52	80.36
20	1240.67	78.97
21	1167.23	80.07
22	1127.40	85.39
23	1100.52	80.03
24	1011.88	91.92
25	924.36	78.33
26	852.77	68.61
27	836.31	83.16
28	768.00	69.63
29	692.01	85.77
30	640.37	88.94
31	617.48	70.06

Identification by IR: Conforms to structure

This is a computer-generated report -does not required sign

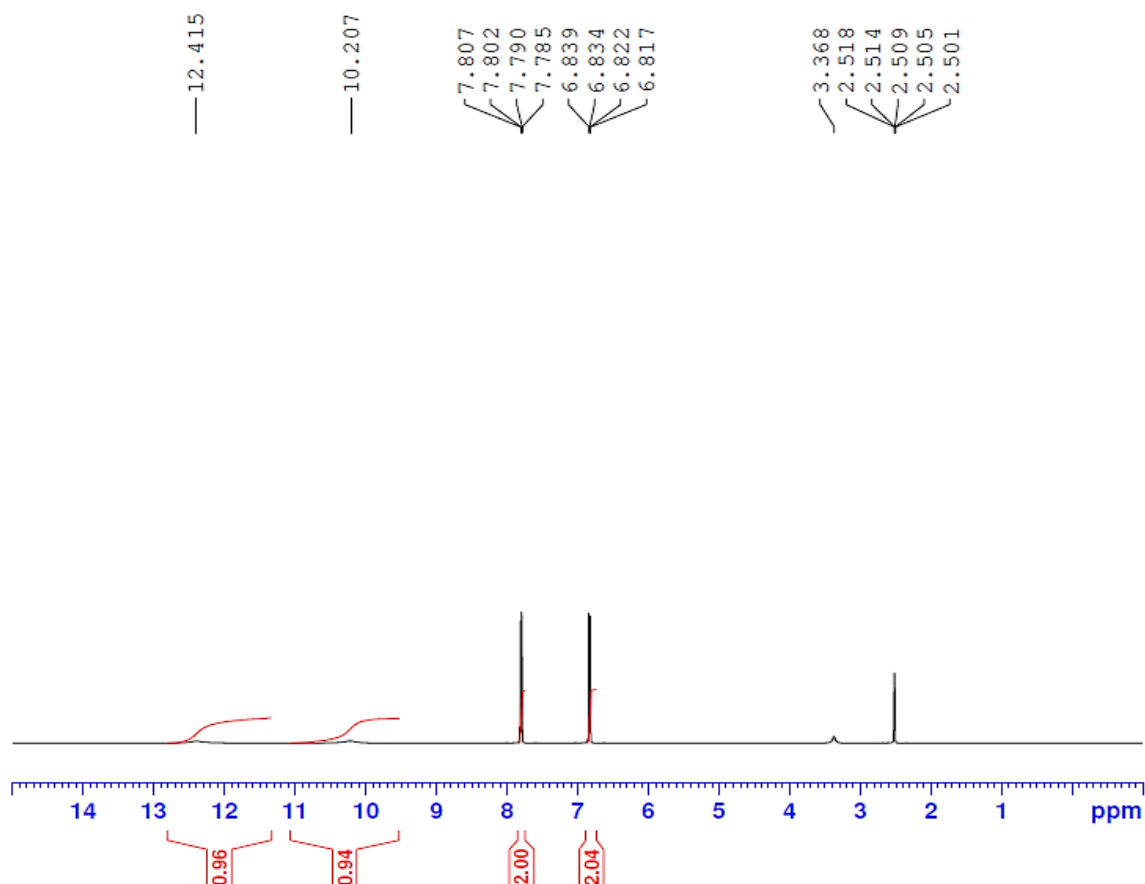
Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com

¹H NMR Spectrum:

Product Name: 4-Hydroxybenzoic acid

Product Code: PSR40808

4-Hydroxybenzoic acid
B.No : H40808P0125
1H-NMR in DMSO



Identification by ¹H NMR: Conforms to structure

Maximum limits of impurities

WATER DETERMINATION

Method: Karl Fisher titration

Water Content (PSR40808) = **0.216 %**

Approved By
Head - Technical

This is a computer-generated report -does not required sign

Worldwide Helpline No. 1800-120-1234-34 , Email: info@pure-synth.com , Website: www.pure-synth.com