



CellMosaic, Inc.
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Certificate of Analysis

Description of the Material:

- (a) Chemical Name: C6 Maleimide Activated HRP
- (b) Molecular Weight: 42.8 KDa
- (c) CAS Registry Number: N/A
- (d) Appearance: Lyophilized powder and ready for use after reconstitution with water.
- (e) Amount: 2 mg

Material Code and Batch Number:

- (a) Part Number: CM53214
- (b) Lot Number: S317.S7.022521

Purity, Activity, and Loading:

- (a) HPLC analysis: $\geq 99\%$
- (b) HRP Activity: ≥ 350 units/mg protein [**Unit Definition.** One **unit** is amount of enzyme that will form 1.0 mg purpurogallin from pyrogallol in 20 sec. at pH 6.0 at 20 °C]
- (c) Maleimide Groups: ~ 1.5 per HRP (by UV/C4 HPLC), 1.34 per HRP (by MALDI-TOF MS)

Intended Use: For research and development use only.

Hazard Information: No known OSHA hazards. See SDS for details.

Shelf life, Storage / Stability: The product is fairly stable as solid at ambient temperature. Recommended long-term storage is at -20°C or preferably in a -80°C freezer. The reconstituted lyophilized tubes should be used immediately following reconstitution with sterile water. If not used immediately, the reconstituted tubes can be stored for up to 4 hours in a 2–8°C refrigerator.

Expiration date: 1 year after receiving if stored at -20°C or below.

Data Appendix: Size exclusion HPLC and MALDI-TOF MS data.

Injection date: Thu, 25. Feb. 2021
C:\HPCHEM\1\DATA\HPLC4_21\02250006.D
Instrument: Instrument 1

Injection Time: 11:32:57 AM

Report Style: CM_Ext



CellMosaic, Inc. www.cellmosaic.com
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HPLC ANALYSIS DATA

Data Acquired By: QC
Sample Location: Vial 42
Sample Name: s317.s7.022521

Actual injection Volume: 10.0 uL
Sequence Name:
Method: C:\HPCHEM\1\METHODS\TSK-L5.M
Pressure: 51.8 bar
Flow: 0.750 mL/min
Temp (C): 25.0 C

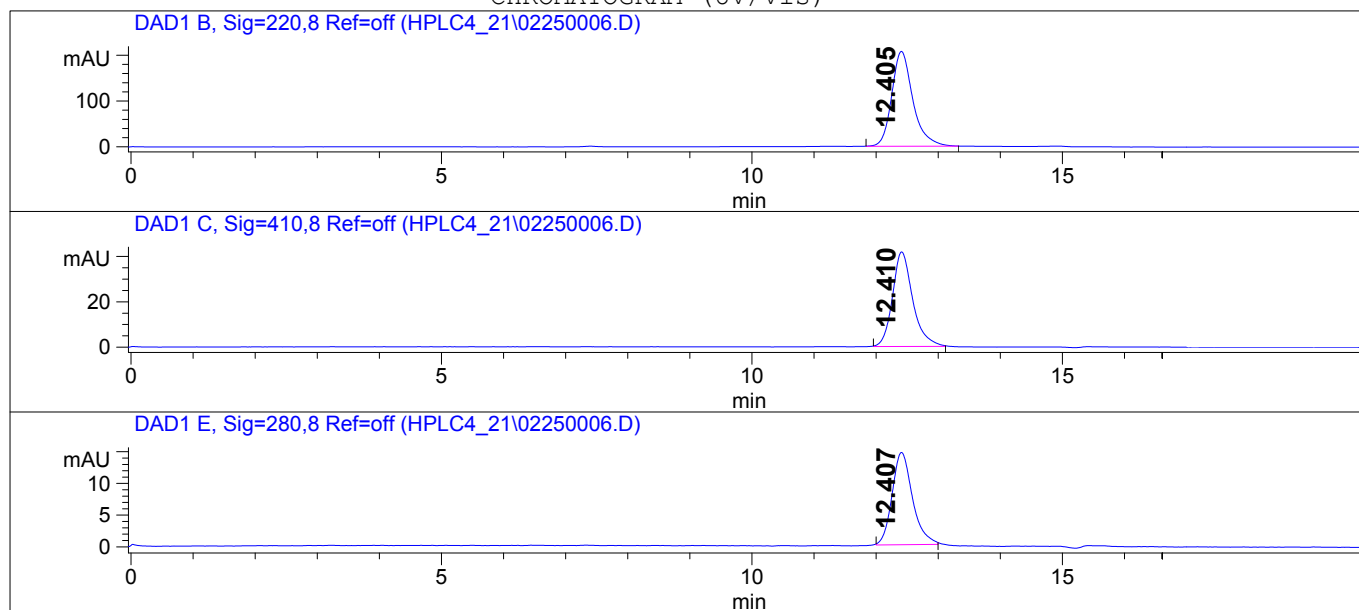
-- SAMPLE INFORMATION --

s317.s7.022521

x5

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CHROMATOGRAM (UV/Vis)



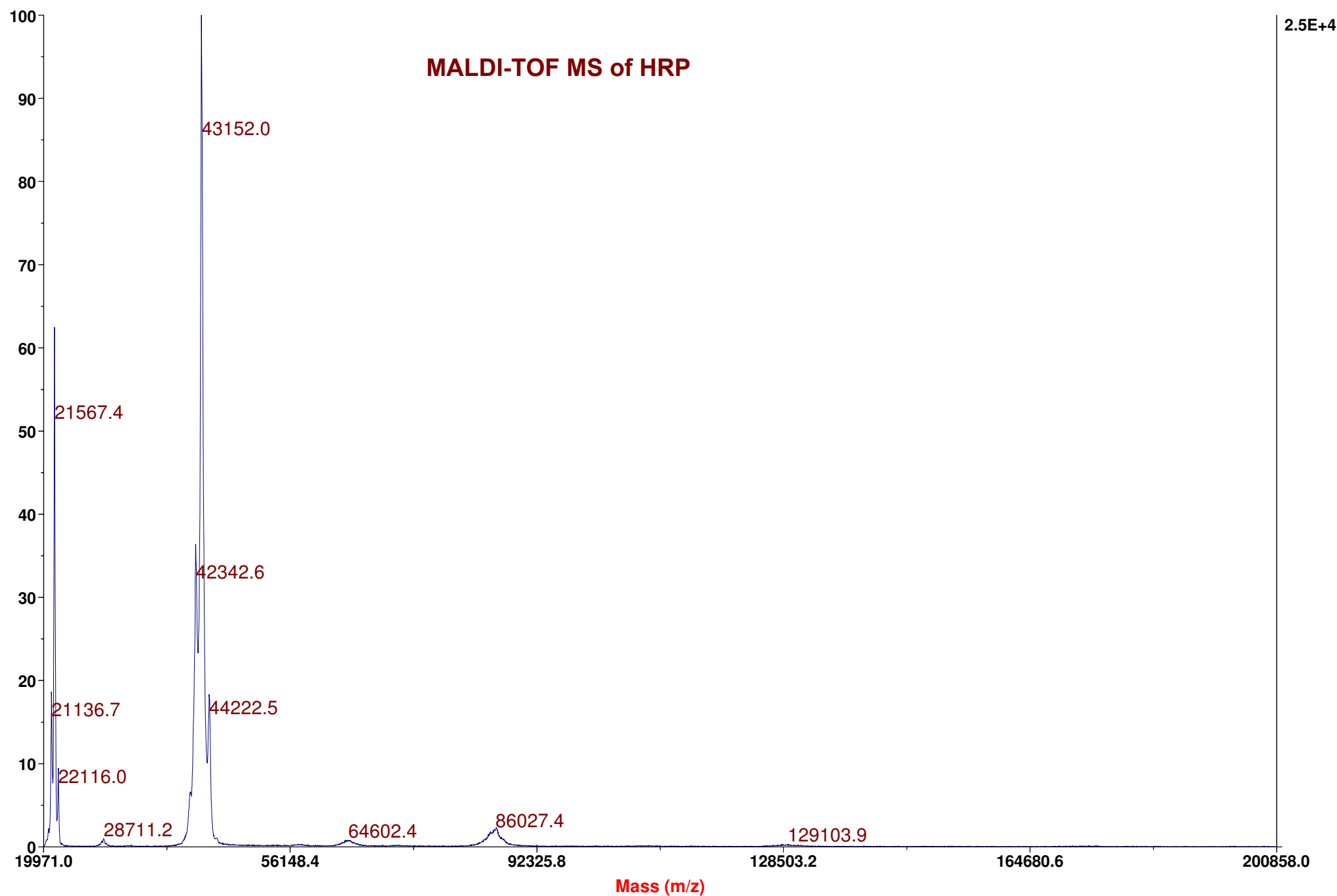
Signal Description Wavelength (nm), Bw	Retention Time [Min.]	Area [mAU.s]	Area %
DAD1 B, Sig=220,8 Ref=off	12.405	4908.9	100.0
DAD1 C, Sig=410,8 Ref=off	12.410	947.1	100.0
DAD1 E, Sig=280,8 Ref=off	12.407	334.3	100.0

*****END OF REPORT*****

Spectrum Report

Final - Shots 1250 - LAJ_6965_14; Run #12; Label N12

MALDI-TOF MS of HRP



Spectrum Report

Final - Shots 1250 - LAJ_6965_14; Run #12; Label N13

MALDI-TOF MS of C6 Mal-HRP (Lot# S317.S7.022521)

