



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. Ready to use after reconstitution with water.
- (e) Amount: 2 mg

Material Code and Batch Number:

- (a) Part Number: CM53214-1x2MG or CM53214-3x2MG
- (b) Lot Number: S317.S19.0811C

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 Group Calculated by UV/HPLC: ~1.4 per HRP, ~1.8 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.

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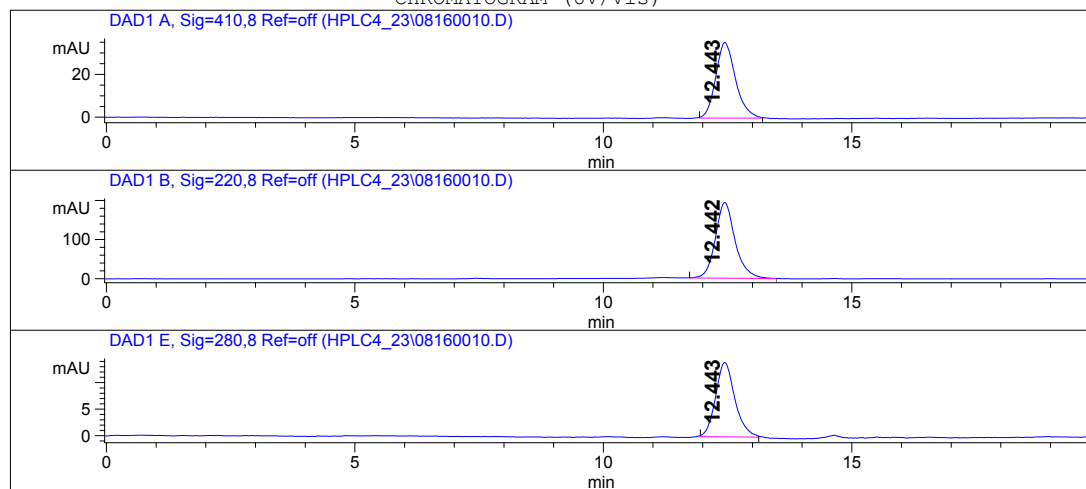
HPLC ANALYSIS DATA

Data Acquired By:QC
Sample Location:Vial 32
Sample Name:MalActivated HRP

Actual injection Volume:10.0 uL
Sequence Name:
Method:C:\HPCHEM\1\METHODS\TSK-L5.M
Pressure: 42.5 bar
Flow: 0.750 uL/min
Temp (C): 25.0 C

-- SAMPLE INFORMATION --
Prod#CM53214, Conc.1mg/mL
Lot#S317.S19.0811C

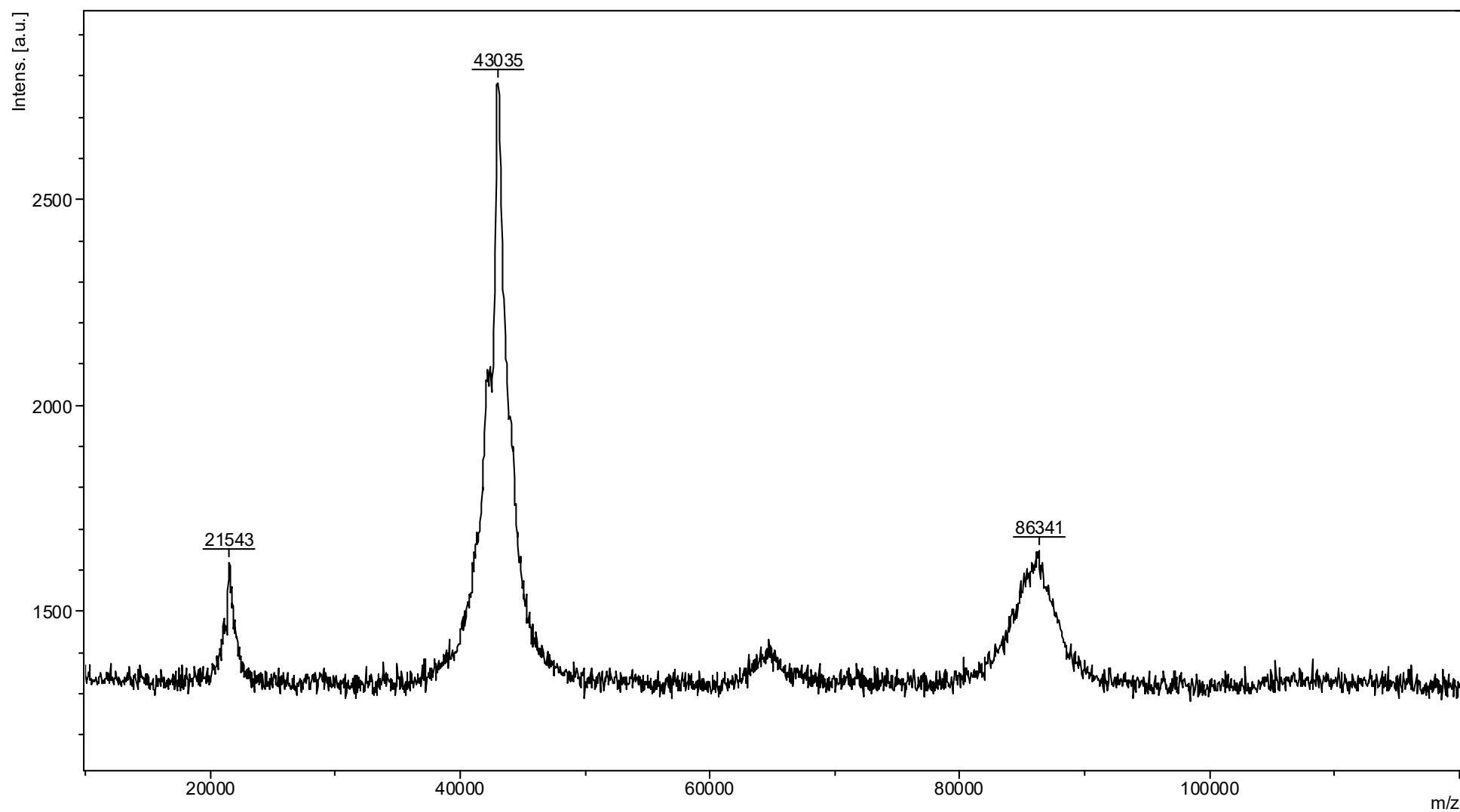
CHROMATOGRAM (UV/Vis)



Signal Description Wavelength(nm), Bw	Retention Time [Min.]	Area [mAU.s]	Area %
DAD1 A, Sig=410,8 Ref=off	12.443	980.1	100.0
DAD1 B, Sig=220,8 Ref=off	12.442	5365.9	100.0
DAD1 E, Sig=280,8 Ref=off	12.443	379.6	100.0

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

MALDI-TOF MS of HRP



MALDI-TOF MS of C6 Mal-HRP (Lot# S317.S19.0811C)

