



CellMosaic, Inc.  
10A Roessler Road  
Woburn, MA 01801, USA  
Phone: 781-463-0002; Fax: 781-998-4694; E-mail: info@cellmosaic.com

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## Certificate of Analysis

### Description of the Material:

- (a) Chemical Name: thiol activated HRP (HRP-PEG4-SPDP)
- (b) Molecular Weight: 44 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: CM53101
- (b) Lot Number: 1603-200.S71208

### Purity Specifications and Results:

- (a) HPLC analysis:  $\geq 99\%$
- (b) Activity:  $>200$  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) Thiol group:  $\sim 2.5$  pyridyl disulfide groups per HRP

**Intended use:** For research and development use only.

**Hazard information:** N/A.

**Shelf life, Storage / Stability as supplied:** The product is relatively stable at ambient temperature. Recommended storage condition for the product is  $-20$  °C. Shelf life of this compound is estimated to be 3 years from the date of packaging.

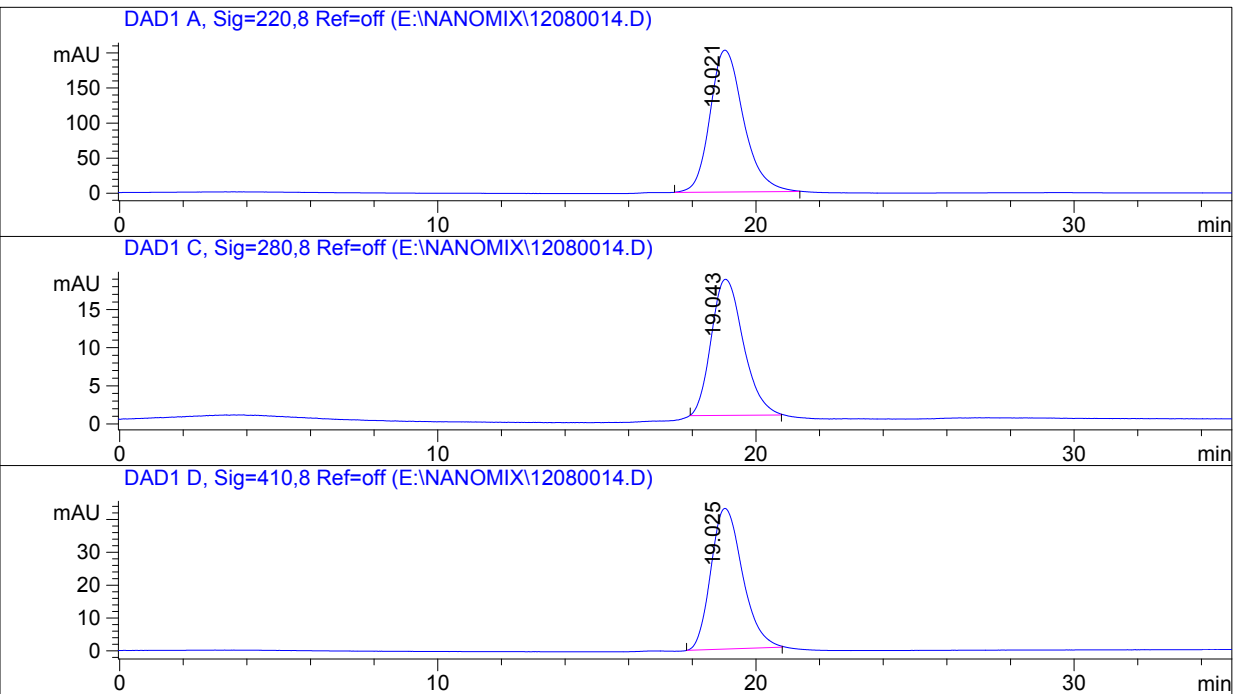
Date of packaging: Dec. 20, 2017

Date of retest: Dec. 20, 2020

**Data Appendix:** Size exclusion HPLC analysis of thiol activated HRP (Lot#: 1603-200.S71208)

Data File name: E:\NANOMIX\12080014.D  
 Method name: TSK-L1.M  
 Injection Time: 12:35:18 AM  
 Injection Date: 12/9/2006

CellMosaic, Inc. Injection Volume: 10.000  
 Instrument 1 Sequence Name:  
 Data Acquired By: CellMosaic QA Pressure (bar) : 67.280  
 Location: Vial 52 Flow (mL/min) : 0.500  
 Sample Name: 1603-200. -> Temp (C) : 24.990



| # | Meas.RT | Main Peak Area | Main Peak Area % | Main Peak Height |
|---|---------|----------------|------------------|------------------|
| 1 | 19.021  | 14818.071      | 100.000          | 202.213          |

Total