

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Reactive Red 4  
**Catalog Number:** 152017  
**Lot:** S8341**Formula:** C<sub>32</sub>H<sub>19</sub>ClN<sub>8</sub>O<sub>14</sub>S<sub>4</sub>Na<sub>4</sub>  
**CAS #:** 17681-50-4  
**Physical Description:** Dark Purple to Purplish Red Powder**Formula Weight:** 995.23  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
UV/Vis: $\lambda$ max (water)	282 $\pm$ 2 nm	281.79 nm

Solubility (0.1% aq soln): Clear dark red solution

Extinction Coefficient: 62300

Dye Content: 88.0%

Recommended Retest Date (MM/DD/YYYY): 03/04/2030

04/13/2022 - Lily Meng  
MP Biomedicals, LLC.  
QC ChemistThis is an electronically generated document  
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