## Certificate of Analysis

**Product Name:** Matrix Metalloproteinase-2 human - >90% (SDS-PAGE), recombinant, expressed in NSO cells, lyophilized powder

<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Formulation</strong></td>
<td>Conforms</td>
<td>Conforms</td>
</tr>
<tr>
<td>Lyophilized from a 0.2 micron filtered solution of 50 mM Tris, 5 mM CaCl2, 150 mM NaCl, and 1 uM ZnCl2, pH 7.5</td>
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<tr>
<td><strong>Purity by SDS Electrophoresis</strong></td>
<td>Conforms</td>
<td>Conforms</td>
</tr>
<tr>
<td>&gt; or = 90% pmol/min/ug (Enzyme Activity)</td>
<td>≥ 1000</td>
<td>2591</td>
</tr>
<tr>
<td>The specific activity is measured with 10 μM of fluorogenic substrate and 10 ng of activated enzyme in 100 μL of TCNB buffer (50 mM Tris, 10 mM CaCl2, 150 mM NaCl, 0.05% Brij-35, pH 7.5) at room temperature. The fluorogenic substrate is (7-methoxycoumarin-4-yl) Acetyl-Pro-Leu-Gly-Leu- (3- [2,4-dinitrophenyl-L]- 2,3-diaminopropionyl) -Ala-Arg-NH2. Cleavage of the substrate can be measured at excitation and emission wavelengths of 320 nm and 405 nm, respectively.</td>
<td></td>
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<tr>
<td><strong>Endotoxin Level</strong></td>
<td>&lt; 1 EU/ug</td>
<td>&lt; 1 EU/ug</td>
</tr>
</tbody>
</table>

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.
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Product Number: M9070
Batch Number: SLBT1446

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Rodney Burbach, Manager
Analytical Services
St. Louis, Missouri US

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