

# Certification of Analysis



## 1. PRODUCT INFORMATION

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<b>Name of protein:</b>	<b>BMTS-AUT-VEGF-A</b>
<b>Description:</b>	Biological Materials Transdermal system linked AUT-VEGFA, Recombinant human DNA expressed in <i>E. coli</i>
<b>INCI name:</b>	sr-(Oligopeptide-249 sh-Polypeptide-9)
<b>Catalog No.:</b>	<b>UBP-AVA-1</b>
<b>Lot. No.:</b>	<b>AVA-1-XXXXX</b>
<b>Formulation:</b>	20mM Tris-HCl [pH 9.0], 0.4M Urea, 150mM NaCl
<b>Appearance:</b>	Color that are visible to the naked eye or colorimetric measurements
<b>Storage and Stability:</b>	Avoid repeated freeze-thaw cycle. Short term (< 2 week) store at 2 – 8 °C Long term (≥ 2 week) store at ≤ - 20 °C
<b>Expiration data:</b>	2 years from date of manufacture

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## 2. SPECIFICATION

Control Parameter	Specification	Result
<b>pH</b>	<b>pH 8.0 ~ 9.0</b>	<b>pH 9.0</b>
<b>Identity (SDS-PAGE)</b>	Reducing condition - about 20 / non-reducing condition: about 40 (kDa)	<b>Pass</b>
<b>Purity (SDS-PAGE)</b>	<b>≥ 70.0 %</b>	<b>≥ 70.0 %</b>
<b>Protein Concentration (UV/Vis)</b>	<b>0.5 ± 0.05 mg/mL</b>	<b>0.5 mg/mL</b>
<b>Endotoxin</b>	<b>Not applicable</b>	<b>Not applicable</b>
<b>Biological Activity</b>	<b>Active form</b>	<b>Conformed</b>
<b>Bioburden</b>	<b>No detected</b>	<b>Pass</b> <b>(No bacteria/fungus detected)</b>

Signed by:

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Quality assurance