



**Nippi, Incorporated**  
**Biological and Chemical Products Division**

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CERTIFICATE of ANALYSIS

Product Name                    iMatrix-411

Lot No.                            19C006

Contents	Laminin-411-E8 Fragment 175 µg / 350 µL (in solvent) / tube
Solvent	PBS(-)
Date of Manufacture	10 / Dec / 2018
Expiration Date	09 / Dec / 2020
Manufacturer	Nippi, Incorporated Biological and Chemical Products Division
Issue Date	20 / May / 2019

Test Item	Specification	Result
Bacterial Endotoxins Test	No more than 750 EU/mg	< 0.7 EU/mg
Sterility Test	Negative	Negative
Mycoplasma Test (PCR)	Negative	Negative
Purity (SDS-PAGE)	More than 95%	98.3%
Integrin Binding Assay (K <sub>d</sub> )	10 nM or less	0.4 nM

*Y. Atsuzawa*

20. May. 2019

Yuji Atsuzawa, Quality Manager