

# CERTIFICATE OF ANALYSIS

**Complement Technology, Inc.**  
4801 Troup Hwy, Suite 701  
Tyler, Texas 75703, USA

Product: **C3a**  
Catalog # **A118** Lot #  
Exp. Date:

Description: C3a Purified Human Complement Protein

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.10 – 1.2 mg/mL. C3a has an extinction coefficient of $E^{1\%}_{276\text{nm}} = 4.1$	0.51 mg/ml
FILL VOLUME	0.100 – 0.110 mL	0.110 mL
BUFFER	Phosphate, buffered Saline, pH 7.2	Phosphate, buffered saline, pH 7.2
PRESERVATIVE	None, filtered through a 0.22 $\mu\text{m}$ pore size filter.	None, filtered through a 0.22 $\mu\text{m}$ pore size filter.
PURITY	> 90%	> 98% by SDS-PAGE
MASS SPECTROMETRY	Ave. Mass = 9089	9089 by ESI
PRESENCE OF C3a desArg	$\leq$ 10%	< 2% by HPLC
ENDOTOXIN	< 1 EU/ $\mu\text{g}$	< 0.01 EU/ $\mu\text{g}$
HUMAN SERUM/PLASMA STARTING MATERIAL		
HBsAg	Negative	Negative
ANTI-HIV1/2	Negative	Negative
ANTI-HCV	Negative	Negative
HCV by NAT	Negative	Negative
HIV-1 by NAT	Negative	Negative
HBV by NAT	Negative	Negative
West Nile Virus (WNV) by NAT	Negative	Negative
ANTI-Syphilis	Negative	Negative
HTLV I/II	Negative	Negative
ANTI-HBc	Negative	Negative

**Store at -70°C or below.**

**Thaw quickly at 37°C, mix and put in an ice + water bath to cool.**

**Avoid Repeated Freeze/Thaw**

**FOR RESEARCH USE ONLY  
NOT FOR HUMAN OR DRUG USE**

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Signature of Analyst

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Date of Analysis