CERTIFICATE OF ANALYSIS

PRODUCT NAME:	SIALIDASE A™-66 (recombinant from *Arthrobacter ureafaciens* expressed in *E. coli*)
PRODUCT CODE:	GK80046
LOT NUMBER:	DH61 001g
ENZYME FORMULATION:	20 m*M* Tris-HCl, 25 m*M* NaCl (pH 7.5)
STORAGE:	2 - 8° C
ENZYME FILL SIZE:	1 Unit (200 µl)
MOLECULAR WEIGHT:	~66 kDa
REASSAY DATE:	June 2018

COMPONENTS

Product Code & Name	Quantity	Lot No.	Expiry
Sialidase A-66 (1 Unit)	1 each	DH61 001g	Jun 2019
WS0049 5x Reaction Buffer (1 ml) [250 m*M* sodium phosphate (pH 6.0)]	1 each	W170126	May 2021

QUALITY CONTROL

1.	Enzyme Activity[1]:	Passed	(Specification: ≥5 U/ml)
2.	Enzyme Specific Activity:	Passed	(Specification: ≥40 U/mg)
3.	Protease assay[2]:	Passed	(Specification: “Not Detectable”)
4.	Contaminants[3]:	Passed	(Specification: ≤0.001%)

Susan C Fuller
2018.07.02
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Authorized Signature

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1. One unit is defined as the amount of enzyme required to catalyze the release of 1 µmole of p-nitrophenol from pNP-α-d-N-acetylneuraminic acid per minute at pH 5.5 and 37°C.
2. No protease activity was detectable after incubation of the enzyme with 0.2 mg resorufin-labeled casein for ~18 hours at 37°C based on Schickaneder E, Hösel W, von der Eltz H, Geuß U. Casein-resorufin, a new substrate for a highly sensitive protease assay. Fresenius Z. Anal Chem. 1988 330:360.
3. The absence of exoglycosidase contaminants was confirmed by extended incubations with the corresponding pNP-glycosides: α-fucosidase, β-fucosidase, α-mannosidase, β-mannosidase, β-N-acetylhexosaminidase, α-N-acetylgalactosaminidase, α-galactosidase, β-galactosidase, α-glucosidase, β-glucosidase and β-xylosidase.