

Lonza Ltd
Muenchensteinerstrasse 38
CH-4002 Basel, Switzerland

Tel +41 61 316 81 11
Fax +41 61 316 91 11
www.lonza.com

Certificate of Analysis

Substance name	MTM-010 Drug Substance IBEX MC1		
Abbreviation	MTM-010 DS MC1		
Formula	-----	CAS number	[--]
Material	275333	Specification	BT-61922QA.1
Sample	3478570	Production date	03-MAR-2021
Batch	53001	Expiry date	01-JUN-2021
Customer batch	-----	Analysis date	25-MAR-2021
Manufacturing site	Lonza AG, Lonzastrasse, 3930 Visp, Switzerland, Tel +41 27 948 5111, Fax (b) (6) [REDACTED], contact.visp@lonza.com		
Comment	-----		
Remark	-----		

Test	Result	Unit	Specification
Colour	(b) (4)		
BTV101557G.5/1/CHVI-101557.7			
Aspect (visible Particles) Ph.Eur			
BTV101557R.2/1/CHVI-101557.7			
pH of the solution			
BTV082391A.3/1/CHVI-82391.3			
#Endotoxin (USP <85> / EP 2.6.14)			
BT-61922PF.1/1/outsourced.1			
Bioburden (TAMC)			
BT008889TD.3/1/CHVI-8889.7			
Bioburden (TYMC)			
BT008889TD.3/1/CHVI-8889.7			
Osmolality			
BTN050752B.4/1/CHVI-50752.8			
#Identity			
BT-61922PE.1/1			
Total RNA Concentration (AEX-HPLC)			
BT-61922PG.1/1/GROUP-107933.2			
RNA Encapsulation (b) (4) [REDACTED]			
BT-61922PD.2/1/GROUP-108245.2			
#Particle size			
BTB109237B.1/1/GROUP-109237.3			
#Polydispersity			
BTB109237B.1/1/GROUP-109237.3			
Lipid Identification, SM-102 (HPLC)			
BTL107937A.4/1/GROUP-107937.2			
Lipid Identification, Cholesterol (HPLC)			
BTL107937A.4/1/GROUP-107937.2			

Continued Certificate of Analysis

Substance name **MTM-010 Drug Substance IBEX MC1**
 Abbreviation **MTM-010 DS MC1**

Sample 3478570
 Batch 53001
 Customer batch - - - - -

Production date 03-MAR-2021
 Expiry date 01-JUN-2021
 Analysis date 25-MAR-2021

Test	Result	Unit	Specification
Lipid Identification, DSPC (HPLC) BTL107937A.4/1/GROUP-107937.2	(b) (4)		
Lipid Identification, PEG2000-DMG (HPLC) BTL107937A.4/1/GROUP-107937.2			
Lipid content, SM-102 (HPLC) BTL107937A.4/1/GROUP-107937.2			
Lipid content, Cholesterol (HPLC) BTL107937A.4/1/GROUP-107937.2			
Lipid content, DSPC (HPLC) BTL107937A.4/1/GROUP-107937.2			
Lipid Content, PEG2000-DMG (HPLC) BTL107937A.4/1/GROUP-107937.2			
Lipid Impurities, all (HPLC) BTL107937A.4/1/GROUP-107937.2			
IG1, (b) (4) (RP-HPLC) BT-61922PH.2/1/GROUP-107927.2			
Purity, main peak (RP-HPLC) BT-61922PH.2/1/GROUP-107927.2			
IG2, (b) (4) (RP-HPLC) BT-61922PH.2/1/GROUP-107927.2			
IG3, (b) (4) (RP-HPLC) BT-61922PH.2/1/GROUP-107927.2			
For the lab: (b) (6) 09-APR-2021 (b) (6) Restricted Use Batch released by: (b) (6) 09-APR-2021 (b) (6)	Country specific release according to CR 736000 and CR 759518		

This certificate is the output of protected data and is signed electronically in compliance with the law.