

Certificate of Analysis

07803686



BEVACIZUMAB EX BS

Material no:	10078122	Date of issue:	19-Dec-2019
Batch no:	BS19110658	Manufacture date:	10-Nov-2019
Analysis no:	07803686	Expiry date:	Nov-2022

Place of Manufacturer / Supplier: F.HOFFMANN-LA ROCHE LTD, BASEL, SWITZERLAND

Test	Result
Appearance	opalescent liquid
Clarity/Opalescence	
Ph. Eur. Opalescent Value	Ref. III
Color	
Ph. Eur. Color Scale	B9
pH	6.1
Osmolality	279 mOsmol/kg
Identity of Bevacizumab	
by Peptide Mapping	positive identity
Purity by CE-SDS	consistent with reference material
Purity by IE-HPLC	
Main peak	71 area%
Acidic region	24 area%
Basic region	4 area%
Purity by SE-HPLC	
Monomer (Dilute)	98 area%
Total aggregate (Neat)	5 area%

Certificate of Analysis

07803686



BEVACIZUMAB EX BS

Material no:	10078122	Date of issue:	19-Dec-2019
Batch no:	BS19110658	Manufacture date:	10-Nov-2019
Analysis no:	07803686	Expiry date:	Nov-2022

Place of Manufacturer / Supplier: F.HOFFMANN-LA ROCHE LTD, BASEL, SWITZERLAND

Test	Result
Content of Protein by UV	25.2 mg/mL
Potency by Bioassay	1.0 E4 U/mg
Content of Polysorbate 20	0.4 mg/mL
Bacterial endotoxins	<1 EU/ml
Bioburden	<1 CFU/10mL



F. Hoffmann-La Roche Ltd.
Basel, Switzerland
Dr. Markus Boutellier