NuMega Resonance Labs
Fast Reliable Services
11526 Sorrento Valley Road, Suite B-2 ◆ San Diego, CA 92121 ◆ USA
Phone 858-793-6057 ◆ Fax 858-793-2607

October 24, 2023

NuMega Reference #

2309BROM.245D

Jiong Zou
Dexcom, Inc
6350 Sequence Drive
San Diego, CA 92121
jzou@dexcom.com

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	ABT-089 HCl
Standard	Dimethylsulfone
Weight of Standard (wt_{st})	0.992
Weight of Sample (wt_{sa})	8.847
Sample Molecular Weight (MW_{sa})	265.18
Standard Molecular Weight (MW_{st})	94.13
Integration of Sample (I_{sa})	104.82
Integration of Standard (I_{st})	100
# of Equivalent Nuclei in Standard (n_{st})	6
# of Equivalent Nuclei in Sample (n_{sa})	2
Assigned Purity of Standard % (P)	99.82
Purity %	99.2%

Formula Used for Calculation: $$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$