

Supplemental table 4: Calculation silicon oil based on 0.25mg/cm² according to Ph. Eur. 3.2.8.

Volume (mL)	Height of the graduation (cm)	Intern surface (cm ²)	Upper limit of allowed silicon oil (mg/ syringe)	Max amount of Silicon per syringe (mg) at the worst case* measured	Max amount of Silicon per syringe (µg/L) at the worst case* measured
5	4.284	16.41	4.10	1.46	292212
50	9.031	75.33	18.83	6.71	134166

* Based on:

Si ₃	84.26 g/mol
C ₈ H ₂₄ Si ₃ O ₂ (PDMS)	236.53 g/mol
Factor	2.8073