

Thomas Scientific labForce[®] HDPE and PET bottles are manufactured to high quality standards to endure a leak-proof seal. Torque testing is conducted utilizing KNE (model KNE-00017) automated torque testing device, providing results for recommended minimum and maximum torque values.

labForce[®] Torque Testing Results
HDPE & PET Bottles

labForce[®] HDPE Reagent Bottle Torque Values				
Bottle Type	Bottle Size (ML)	Closure Size (MM)	Min Torque (kgf/cm)	Max Torque (kgf/cm)
Wide Mouth	8	19.30±0.20	4.50	5.10
Wide Mouth	15	19.30±0.20	4.97	5.42
Wide Mouth	30	27.10±0.30	19.76	21.62
Wide Mouth	60	27.00±0.30	14.85	17.30
Wide Mouth	125	36.80±0.40	11.22	18.45
Wide Mouth	250	41.70±0.40	10.10	15.70
Wide Mouth	500	51.60±0.50	24.50	27.80
Wide Mouth	1,000	51.40±0.40	28.80	30.40
Narrow Mouth	30	19.70±0.30	4.37	5.18
Narrow Mouth	60	19.70±0.30	6.12	6.94
Narrow Mouth	125	23.50±0.20	7.10	8.40
Narrow Mouth	250	23.50±0.20	7.47	13.52
Narrow Mouth	500	27.50±0.30	22.90	26.30
Narrow Mouth	1,000	37.30+0.15/-0.2	32.75	33.40

labForce[®] PET Square Media Bottle Torque Values				
Bottle Type	Bottle Size (ML)	Closure Size (MM)	Min Torque (kgf/cm)	Max Torque (kgf/cm)
Square Media	30	37.19±0.2	9.51	9.66
Square Media	60	23.5±0.2	8.40	8.61
Square Media	125	37.19±0.2	27.41	29.46
Square Media	250	37.19±0.2	21.08	22.69
Square Media	500	37.19±0.2	35.80	39.90
Square Media	1,000	37.19±0.2	24.22	29.21