

West Virginia State Metrology Laboratory Uncertainties 2019

Mass Echelon III, NIST HB 105 Class F

Nominal	Uncertainty
1000 lb	0.0072 kg
500 lb	0.0040 kg
50 lb	0.00038 kg
25 lb	0.00025 kg
20 lb	0.00019 kg
10 lb	0.055 g
5 lb	0.028 g
2 lb	0.011 g
1 lb	0.0087 g
0.5 lb	0.0054 g
0.3 lb	0.0033 g
0.2 lb	0.0022 g
0.1 lb	0.0011 g
0.05 lb	0.00055 g
0.03 lb	0.00034 g
0.02 lb	0.00024 g
0.01 lb	0.20 mg
0.005 lb	0.15 mg
0.003 lb	0.12 mg
0.002 lb	0.11 mg
0.001 lb	0.087 mg
4 oz	0.0028 g
2 oz	0.0014 g
1 oz	0.00067 g
1/2 oz	0.00036 g
1/4 oz	0.00024 g
1/8 oz	0.16 mg
1/16 oz	0.14 mg
1/32 oz	0.11 mg

Weight Carts, NIST HB 105-8

Nominal	Uncertainty
6000 lb	0.26 lb
5000 lb	0.21 lb
4000 lb	0.18 lb
3000 lb	0.16 lb

Mass Echelon III, NIST HB 105 Class F

Nominal	Uncertainty
25 kg	0.00038 kg
20 kg	0.00038 kg
10 kg	0.14 g
5 kg	0.060 g
2 kg	0.024 g
1 kg	0.012 g
500 g	0.0087 g
200 g	0.0048 g
100 g	0.0024 g
50 g	0.0012 g
20 g	0.00050 g
10 g	0.00030 g
5 g	0.19 mg
2 g	0.14 mg
1 g	0.11 mg
500 mg	0.092 mg
200 mg	0.072 mg
100 mg	0.055 mg
50 mg	0.045 mg
20 mg	0.032 mg
10 mg	0.033 mg
5 mg	0.024 mg
2 mg	0.015 mg
1 mg	0.015 mg

Volume Transfer

Nominal	Uncertainty
1000 gal	0.26 gal
200 gal	0.039 gal
100 gal	0.021 gal
50 gal	0.017 gal
5 gal	0.0015 gal

LPG, NIST HB 105-4

Nominal	Uncertainty
100 gal	0.023 gal
25 gal	0.0048 gal