

Elemental Analysis Sample Results

Name Malcolm Halcrow
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Purchase order number FA4501117067

Standard – Acetanilide		
Element	Expected %	Found
Carbon	71.10 (+/- 0.23)	71.25
Hydrogen	6.71 (+/- 0.07)	6.64
Nitrogen	10.34 (+/- 0.09)	10.29

Analysis – LBR10			
Element	Expected %	Found (1)	Found (2)
Carbon	47.23	46.21	46.24
Hydrogen	3.08	2.74	2.83
Nitrogen	18.36	17.93	17.93

Analysis – LBR16			
Element	Expected %	Found (1)	Found (2)
Carbon	36.98	38.39	38.34
Hydrogen	2.90	2.61	2.47
Nitrogen	17.25	17.62	17.58

Analysis – LBR17			
Element	Expected %	Found (1)	Found (2)
Carbon	42.64	42.55	42.54
Hydrogen	2.64	2.37	2.19
Nitrogen	15.70	15.89	15.77

Analysis – LBR19			
Element	Expected %	Found (1)	Found (2)
Carbon	57.89	55.52	55.55
Hydrogen	7.47	6.04	5.92
Nitrogen	15.58	14.14	14.14

Analysis – LBR20			
Element	Expected %	Found (1)	Found (2)
Carbon	56.56	54.31	54.22
Hydrogen	7.30	5.72	5.93
Nitrogen	15.22	13.85	13.82

Analysis – LBR21			
Element	Expected %	Found (1)	Found (2)
Carbon	53.82	52.32	52.41
Hydrogen	6.70	5.61	5.76
Nitrogen	13.95	12.86	12.90

Analysis – AA-09a			
Element	Expected %	Found (1)	Found (2)
Carbon	39.6	39.34	39.40
Hydrogen	2.22	1.73	1.80
Nitrogen	23.1	22.68	22.43

Analysis – AA-09b			
Element	Expected %	Found (1)	Found (2)
Carbon	39.6	38.02	37.59
Hydrogen	2.22	1.92	1.74
Nitrogen	23.1	21.54	20.89

Analysis – CH_R6			
Element	Expected %	Found (1)	Found (2)
Carbon	38.99	38.46	38.57
Hydrogen	3.02	2.97	2.87
Nitrogen	20.99	20.35	20.23

Analysis – CH_R7			
Element	Expected %	Found (1)	Found (2)
Carbon	39.46	38.70	38.63
Hydrogen	3.06	2.95	2.84
Nitrogen	21.24	20.57	20.55

Analysis – CH_R13			
Element	Expected %	Found (1)	Found (2)
Carbon	37.33	37.13	36.57
Hydrogen	2.89	2.57	2.76
Nitrogen	20.09	20.12	20.18

Analysis – CH_R17			
Element	Expected %	Found (1)	Found (2)
Carbon	39.25	37.98	37.04
Hydrogen	3.04	2.80	2.84
Nitrogen	21.13	20.50	19.91

Analysis – CH_R26			
Element	Expected %	Found (1)	Found (2)
Carbon	38.37	37.47	37.51
Hydrogen	2.97	2.82	2.79
Nitrogen	20.65	20.35	20.32

Analysis – HS13_C			
Element	Expected %	Found (1)	Found (2)
Carbon	31.7	31.35	31.45
Hydrogen	1.93	1.81	1.82
Nitrogen	16.8	16.72	16.88

Date completed	03.04.2024
Signature	O. McCullough
Comments	