

Elemental Analysis Sample Results

Name Malcolm Halcrow
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Purchase order number FA4501052392

Standard – Acetanilide		
Element	Expected %	Found
Carbon	71.10 (+/- 0.23)	71.17
Hydrogen	6.71 (+/- 0.07)	6.64
Nitrogen	10.34 (+/- 0.09)	10.30

Analysis – EM-07			
Element	Expected %	Found (1)	Found (2)
Carbon	36.5	37.48	37.78
Hydrogen	1.95	1.85	1.80
Nitrogen	19.4	20.06	20.17

Analysis – EM-08			
Element	Expected %	Found (1)	Found (2)
Carbon	35.3	35.07	35.28
Hydrogen	1.88	1.79	1.80
Nitrogen	18.7	19.49	19.68

Analysis – EM-15			
Element	Expected %	Found (1)	Found (2)
Carbon	40.5	39.12	39.10
Hydrogen	3.39	3.31	3.20
Nitrogen	18.1	18.73	18.67

Analysis – EM-16			
Element	Expected %	Found (1)	Found (2)
Carbon	39.2	40.12	40.16
Hydrogen	3.29	3.35	3.30
Nitrogen	17.6	17.61	17.68

Analysis – IAC1			
Element	Expected %	Found (1)	Found (2)
Carbon	47.23	39.95	40.16
Hydrogen	3.66	3.24	3.17
Nitrogen	10.59	18.48	18.88

Analysis – IAC2			
Element	Expected %	Found (1)	Found (2)
Carbon	49.10	39.29	39.10
Hydrogen	3.80	3.08	3.13
Nitrogen	11.01	18.28	18.65

Analysis – IAC3			
Element	Expected %	Found (1)	Found (2)
Carbon	50.80	45.17	45.24
Hydrogen	3.41	3.21	3.14
Nitrogen	9.87	19.08	19.10

Analysis – mh334			
Element	Expected %	Found (1)	Found (2)
Carbon	51.3	51.70	51.12
Hydrogen	3.16	2.96	3.00
Nitrogen	12.2	11.86	11.96

Analysis – mh361			
Element	Expected %	Found (1)	Found (2)
Carbon	45.4	37.52	37.38
Hydrogen	2.73	1.65	1.56
Nitrogen	13.1	15.37	15.13

Analysis – mhBPh4			
Element	Expected %	Found (1)	Found (2)
Carbon	75.3	72.62	72.42
Hydrogen	5.23	4.57	4.81
Nitrogen	12.5	11.94	11.88

Analysis – RW4B			
Element	Expected %	Found (1)	Found (2)
Carbon	42.39	42.24	42.28
Hydrogen	3.26	3.34	3.26
Nitrogen	20.60	20.26	20.38

Analysis – RW5B			
Element	Expected %	Found (1)	Found (2)
Carbon	40.87	40.86	40.82
Hydrogen	3.14	3.16	3.11
Nitrogen	19.86	20.28	20.15

Analysis – RW6A			
Element	Expected %	Found (1)	Found (2)
Carbon	38.41	38.37	38.18
Hydrogen	1.01	2.55	2.22
Nitrogen	20.36	20.72	20.82

Date completed	20.01.2022
Signature	O. McCullough
Comments	