

Elemental Analysis Sample Results

Name Namrah Shahid
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Purchase order number FA4501034132

Standard – Acetanilide		
Element	Expected %	Found
Carbon	71.06 (+/- 0.26)	71.08
Hydrogen	6.70 (+/- 0.09)	6.74
Nitrogen	10.36 (+/- 0.18)	10.36

Analysis – NS409			
Element	Expected %	Found (1)	Found (2)
Carbon	48.26	49.41	49.40
Hydrogen	5.76	6.42	6.22
Nitrogen	8.89	8.44	8.44

Analysis – NS502			
Element	Expected %	Found (1)	Found (2)
Carbon	40.04	39.16	39.69
Hydrogen	4.55	4.68	4.76
Nitrogen	8.24	8.02	8.14

Analysis – NS503			
Element	Expected %	Found (1)	Found (2)
Carbon	47.56	46.07	46.10
Hydrogen	5.67	5.64	5.65
Nitrogen	8.76	8.37	8.37

Analysis – NS504			
Element	Expected %	Found (1)	Found (2)
Carbon	29.93	30.93	31.01
Hydrogen	3.40	3.77	3.43
Nitrogen	6.16	6.08	6.08

Analysis – NS519			
Element	Expected %	Found (1)	Found (2)
Carbon	49.85	49.64	49.53
Hydrogen	4.18	3.86	3.76
Nitrogen	12.92	13.45	13.46

Analysis – NS520			
Element	Expected %	Found (1)	Found (2)
Carbon	53.92	53.92	53.79
Hydrogen	3.45	3.54	3.51
Nitrogen	11.98	12.78	12.70

Analysis – NS521			
Element	Expected %	Found (1)	Found (2)
Carbon	48.69	48.31	48.53
Hydrogen	4.34	4.07	4.10
Nitrogen	10.65	10.51	10.59

Analysis – NS522			
Element	Expected %	Found (1)	Found (2)
Carbon	53.23	52.05	51.89
Hydrogen	3.53	3.49	3.45
Nitrogen	9.80	9.29	9.62

Analysis – NS523			
Element	Expected %	Found (1)	Found (2)
Carbon	53.13	50.84	50.92
Hydrogen	3.33	3.20	3.21
Nitrogen	11.58	11.13	11.14

Analysis – NS532			
Element	Expected %	Found (1)	Found (2)
Carbon	48.07	47.72	47.24
Hydrogen	4.03	3.87	3.83
Nitrogen	12.46	12.17	12.07

Analysis – NS533			
Element	Expected %	Found (1)	Found (2)
Carbon	53.87	53.39	53.67
Hydrogen	3.73	3.71	3.69
Nitrogen	8.19	8.98	9.01

Date completed	31.03.2021
Signature	O.McCullough
Comments	