

Elemental Analysis Sample Results

Name Malcolm Halcrow
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Purchase order number FA4501058208

Standard – Acetanilide		
Element	Expected %	Found
Carbon	71.10 (+/- 0.23)	71.20
Hydrogen	6.71 (+/- 0.07)	6.70
Nitrogen	10.34 (+/- 0.09)	10.25

Analysis – IAC1			
Element	Expected %	Found (1)	Found (2)
Carbon	42.70	37.10	37.01
Hydrogen	3.31	3.08	3.06
Nitrogen	19.15	17.39	17.28

Analysis – IAC1-R2			
Element	Expected %	Found (1)	Found (2)
Carbon	42.70	37.35	37.61
Hydrogen	3.31	3.03	3.15
Nitrogen	19.15	16.36	16.52

Analysis – IAC2			
Element	Expected %	Found (1)	Found (2)
Carbon	44.23	39.62	39.46
Hydrogen	3.43	3.21	3.29
Nitrogen	19.84	18.80	19.26

Analysis – IAC2-R2			
Element	Expected %	Found (1)	Found (2)
Carbon	44.23	26.83	26.24
Hydrogen	3.43	1.99	1.86
Nitrogen	19.84	12.62	12.57

Analysis – IAC3			
Element	Expected %	Found (1)	Found (2)
Carbon	46.24	43.36	43.32
Hydrogen	3.10	3.23	3.21
Nitrogen	17.97	16.50	16.46

Analysis – IAC4			
Element	Expected %	Found (1)	Found (2)
Carbon	47.79	44.73	44.71
Hydrogen	3.21	3.36	3.35
Nitrogen	18.58	16.91	16.90

Analysis – IAC6			
Element	Expected %	Found (1)	Found (2)
Carbon	42.39	25.84	26.10
Hydrogen	3.26	2.01	2.10
Nitrogen	20.60	12.87	13.18

Analysis – IAC8			
Element	Expected %	Found (1)	Found (2)
Carbon	43.11	42.20	42.26
Hydrogen	2.55	2.61	2.70
Nitrogen	20.48	19.30	19.25

Analysis – RW11			
Element	Expected %	Found (1)	Found (2)
Carbon	44.10	20.89	21.19
Hydrogen	3.71	2.31	2.35
Nitrogen	19.78	7.61	7.96

Analysis – RW12			
Element	Expected %	Found (1)	Found (2)
Carbon	42.58	42.18	42.25
Hydrogen	3.57	3.38	3.45
Nitrogen	19.10	18.47	18.62

Analysis – RW13			
Element	Expected %	Found (1)	Found (2)
Carbon	40.39	40.35	40.48
Hydrogen	3.15	2.87	2.80
Nitrogen	16.82	16.67	16.77

Analysis – RW14			
Element	Expected %	Found (1)	Found (2)
Carbon	37.88	37.56	37.54
Hydrogen	3.18	1.98	1.90
Nitrogen	17.00	16.41	16.47

Analysis – RW16			
Element	Expected %	Found (1)	Found (2)
Carbon	40.50	39.45	39.40
Hydrogen	3.09	2.70	2.50
Nitrogen	19.68	19.42	19.26

Analysis – RW17			
Element	Expected %	Found (1)	Found (2)
Carbon	39.10	38.01	37.61
Hydrogen	3.01	2.92	2.94
Nitrogen	19.00	18.22	18.04

Analysis – RW7			
Element	Expected %	Found (1)	Found (2)
Carbon	37.05	36.70	36.18
Hydrogen	2.26	2.10	2.15
Nitrogen	19.64	19.30	19.03

Analysis – TR11-Zn			
Element	Expected %	Found (1)	Found (2)
Carbon	40.1	40.40	40.44
Hydrogen	3.88	3.54	3.58
Nitrogen	18.0	17.98	17.94

Analysis – EM-07			
Element	Expected %	Found (1)	Found (2)
Carbon	36.50	36.61	36.65
Hydrogen	1.95	1.66	1.80
Nitrogen	19.40	19.06	19.12

Analysis – AA-42			
Element	Expected %	Found (1)	Found (2)
Carbon	44.20	43.40	43.51
Hydrogen	3.97	3.18	3.16
Nitrogen	18.40	19.48	18.75

Date completed	25.03.2022
Signature	O. McCullough
Comments	