

APFAN PT-2 Workshop Food Analysis Workshop: Proficiency Testing and Reference Materials Development













Food Analysis Workshop: Proficiency Testing and Reference Materials Development





19th - 21st June 2019, Bangkok, THAILAND















Food Analysis Workshop: Proficiency Testing and Reference Materials Development





19th - 21st June 2019, Bangkok, THAILAND











Melamine	Parameters from regression ne Student's t analysis			Interpretation	
Storage tem	p (tcrit)	Slope, abs	Error of slope	tcalc	
E ra		(b1)	s(b1)		
-20 °C	2.3646	0.0379	0.1288	0.294	stability was observed
4 °C	2.2622	0.0426	0.0999	0.426	stability was observed
Room Tem	2.2622	0.0404	0.1066	0.379	stability was observed











Factor	Value Uncertain		Relative	
	×	u(x)	u(x)/(x)	
Measurement equation factor				
Method Precision	1	0.02321	2.32%	
m _{zc}	0.14526	0.000071	0.05%	
m,	0.15513	0.000071	0.05%	
m _{un}	0.15457	0.000071	0.05%	
<u>,.</u>	1.00513	0.000071	0.01%	
w_	10,1968	0.110669	1.09%	
Additional Factor				
Homogeneity	1	0.007	0.70%	
Long term stability	1	0.03	3.00%	
Dry mass	1	0.0004	0.0004	
Extraction effects	1	0.01	1.00%	
Interference from two different ion pairs	1	0.0054	0.54%	



	Measurem	ent unco	ertainty
	Uncertainty Analysis Results Wx = u(x) = u(x)/x = Veff(total) = k = U(x) = % $U(x) =$	1.563 0.065 4.17% 129.809 1.98 0.129 8.24%	mg/kg mg/kg (@ 95% level)
	Certified value for mela	mine in cracker =	1.56 ± 0.13 mg/kg [*] Т Ан мІнт**
สถาบันมาตรวิ National Inst	ทยาแห่งชาติ itute of Metrology (Thailand)		21





