

Individual laboratory report for round 22

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Lab # 23

Isocyanate	unit	Sample No.	fraction		Reported results **	Target value *	acceptable range		z score	Lab performance
							lower limit	upper limit		
MDI	µg	101	vapour	monomer	1,029	1,02	0,735	1,311	0,06	P
	µg	102	vapour	monomer	2,588	2,54	1,989	3,093	0,26	P
	µg NCO eq	105	aerosol	monomer	34,43	36,9	22,790	50,990	-0,52	P
	µg NCO eq			oligomers	26,3	22,7	11,019	34,341	0,93	P
2,4 TDI	µg	103	vapour	monomer	2,005	2,03	1,265	2,795	-0,10	P
	µg	104	vapour	monomer	0,643	0,661	0,433	0,889	-0,24	P

*Target value : established by taking all participating laboratories results which are performing within 25% of the expected value for vapour evaluation and within 35% for aerosols evaluation.

Limits : target value ± 3 standard deviations

Z score : (reported result - target value) / standard deviation

Lab performance : P : Analysis proficient , NP : non- proficient

Note: the acceptability of reported results is based on z-score.

**The results of vapours are reported in µg of isocyanate / sample

The results of aerosols are reported in µg of NCO eq. / sample

$$\mu\text{g NCO eq. / sample} = [] \times (\text{Mn} \times \text{N}) / \text{Mi}$$

[] : concentration of reported result (µg / sample)

Mn: molecular weight of NCO

N : numbers of isocyanate groups (function) / molecule

Mi : molecular weight of the isocyanate