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## Preliminary VOC Report

13-07-2020

### 1 Sample Information

Sample name	FIX A570 MULTI TACK
Batch no.	FC20267573
Production date	03/03/2020
Product type	Adhesive
Sample reception	18/06/2020

The preliminary results are an informal presentation of the VOC results for the initial samplings performed on the chamber. The results may change in the final version of the report.

The final report will be issued no later than: 11/08/2020

Please do not hesitate to call or write if there should be any questions or comments in the meantime.

### 2 Test Parameters, Sample Preparation and Deviations

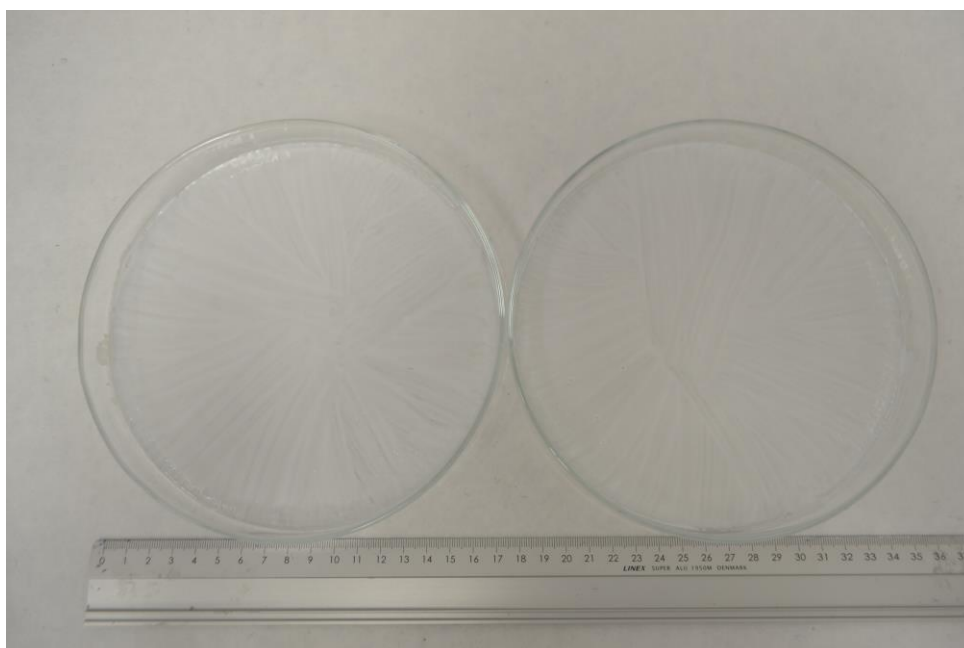
#### 2.1 VOC Emission Chamber Test Parameters

Parameter	Value	Parameter	Value
Chamber volume, V[L]	119	Preconditioning period	-
Air Change rate, $n[h^{-1}]$	0.5	Test period	29/06/2020 - 02/07/2020
Relative humidity of supply air, RH [%]	$50 \pm 3$	Area specific ventilation rate, q [m/h or m <sup>3</sup> /m <sup>2</sup> /h]	1.25
Temperature of supply air, T [°C]	$23 \pm 1$	Loading factor [m <sup>2</sup> /m <sup>3</sup> ]	0.4
		Test scenario	Flooring or ceiling

#### 2.2 Preparation of the Test Specimen

The sample was homogenised and applied onto petri dishes with a brush. The sample was applied in an amount of 100 g/m<sup>2</sup> and evenly distributed using a brush.

### 2.3 Picture of Sample



**Results**
**2.4 VOC Emission Test Results after 3 Days**

	CAS No.	Retention time [min]	ID-Cat	Specific Conc. [µg/m³]	Toluene eq. [µg/m³]	Specific SER [µg/(m²·h)]	R <sub>D</sub>
<b>VOC with NIK/LCI</b>							
2-Ethyl-1-hexanol	104-76-7	8.96	1	9.3	6.8	12	0.031
2-Ethylhexyl acetate	103-09-3	10.54	1	8.7	7.7	11	0.025
2-methyl-4-isothiazolin-3-on*	2682-20-4	10.90	1	9.9	< 5	12	0.099
5-Chlor-2-methyl-4-isothiazolin-3-on (CIT) *	26172-55-4	11.47	1	< 5	< 5	< 7	
<b>VOC without NIK/LCI</b>							
Not identified *		11.55	4	16	16	19	
Not identified *		12.43	4	< 5	< 5	< 7	
Not identified *		14.18	4	< 5	< 5	< 7	
<b>Sum of VOC without NIK/LCI</b>				16	16	19	
<b>VVOC compounds</b>							
None determined							
<b>TVOC</b>				< 5	< 5	< 7	
<b>SVOC compounds</b>							
None determined							
<b>TSVOC</b>				< 5	< 5	< 7	
<b>Carcinogens</b>							
<b>Total carcinogens</b>				< 1	< 1	< 2	
<b>Aldehydes</b>							
Formaldehyde	50-00-0		1	< 3		< 4	
Acetaldehyde	75-07-0		1	< 3		< 4	
Propionaldehyde	123-38-6		1	< 3		< 4	
Butyraldehyde	123-72-8		1	< 3		< 4	
Acrolein *	107-02-8		1	< 5		< 7	
2-Butenal *	123-73-9		1	< 5		< 7	
Glutaraldehyde *	111-30-8		1	< 5		< 7	
Octanal *	124-13-0		1	< 5		< 7	
Nonanal *	124-19-6		1	< 5		< 7	
Decanal *	112-31-2		1	< 5		< 7	
<b>R-values</b>							0.15
<b>TVOC</b>				43	30	54	

The results are only valid for the tested sample(s).

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## 3 Appendices

### 3.1 How to Understand the Results

#### 3.1.1 Acronyms Used in the Report

<	Means less than
>	Means bigger than
*	Not a part of our accreditation
α	Please see section regarding uncertainty in the Appendices
§	Deviation from method. Please see deviation section
a	The method is not optimal for very volatile compounds. For these substances smaller results and a higher measurement uncertainty cannot be ruled out
b	The component originates from the substrate and is thus removed
c	The results have been corrected by the emission from the substrate
d	Very polar organic compounds are not suitable for reliable quantification using Tenax TA adsorbent and HP-5 GC column. A high degree of uncertainty must be expected
e	The component may be overestimated due to contribution from the system
SER	Specific Emission Rate

#### 3.1.2 Explanation of ID Category

##### Categories of Identity:

- 1: Identified by comparison with a mass spectrum obtained from library and supported by other information and quantified through specific calibration.
- 2: Identified by comparison with a mass spectrum obtained from library and supported by other information. Quantified as toluene equivalent.
- 3: Identified with a lower match by comparison with a mass spectrum obtained from a library. Quantified as toluene equivalent.
- 4: Not identified, quantified as toluene equivalent.