Predire Testcenter AB
Industrivägen 15
S-294 39 Sölvesborg
Phone: +46 (0)456 – 820080
E-Mail: info@predire.com

Test Report

Order No: mailorder

Test no: 17-0141-01

Ordered by, Company, Address, Tel:

Bo Larsson
Gemba Consulting
Ljungbyvägen 118 B
302 56 Halmstad

Result:

01	ID
X	The tested sample meets the requirements
	The tested sample meets the requirements partly
	The tested sample does not meet the requirements
	Engineering Information

Note:

ID01) Wadding

Specification:	DBL 8585 VDA 278	Rev./Date:	2004-01 2011-10
Date of test:	2017-11-10 to 2017-12-18	Test location:	Sub supplier location
Test carried out by:	Sub supplier		

Sölvesborg	2017-12-20			01
Place	Date	Issuer [Axel Wedelin]	Approved [Philip Sellrup]	Issue

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1 Test Description

Test	Predire Method	Test Description
VOC/Fog analysis	**S***	Acc. to VDA 278

2 Evaluation Criteria

Test	Predire Method	Evaluation Criteria's
VOC/Fog analysis	**S***	VOC-value: < 100 µg/g Fog-value: < 250 µg/g

3 Results

Test	ID	Results	Pass / Not Pass
VOC/Fog analysis	1	VOC-value: 1,79 µg/g Fog-value: 19,1 µg/g	Pass

3.2 Enclosed Documents

VDA Automobil-Prüfvorschriften (Emissionen) [ ]			
No	parameter	scale unit	**test result /** *test parameter*
5	**VDA 278, 2011-10, Organic emissions using thermal desorption-GC-MSD**		[A,11]
	VOC value	*µg/g*	**1,79**
	VOC second value	*µg/g*	*0,99*
	Fog value	*µg/g*	**19,1**

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3.3 Explanation of Symbols

Symbol	Predire Method	Description
P*1	**Method 1**	Ageing test objects in **constant temperature**: -40° C ±2° C to +175°C ±2° C.
P*2	**Method 2**	Ageing test objects in **constant temperature and humidity**: +20° C ±2° C to +80° C ± 2° C and 10 % RH ±5 % RH to 98 % RH +2/-5 % RH
P*3	**Method 3**	Ageing test objects in **climate change tests**: Changing temperature and humidity between -40° C ±2° C to +120° C ±2° C and 10 % RH ±5 % RH to 98 % RH +2/-5 % RH with a maximum temperature change rate of 2,5 K/min.
P*4	**Method 4**	Ageing test objects in **climate shock test**: Changing the test object from one climate another climate mentioned in Method 1 and Method 2, in a specific time according to actual specification.
P*5	**Method 5**	Greyscale According ISO 105-A02 Fastness grade 1-5
P*6	**Method 6**	Gloss measuring with a Gloss instrument to get values from the angles 20°, 60° and 85°.
P*7	**Method 7**	Sinusoidal-, random-, bump- and shock vibration test.
Non accredited method	-	Result not included in Predires Accreditation
P**	-	OEM approved testing made by Predire
S*	-	Test performed by accredited sub-supplier
Non accredited sub-supplier	-	Test performed by not accredited sub-supplier
S**	-	OEM approved testing made by sub-supplier

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