HuK Umweltlabor GmbH · Otto-Hahn-Straße 2 · 57482 Wenden

DAkkS Deutsche Akkreditierungsstelle D-PL-14055-01-01 D-PL-14055-01-02

Analysis Report No.: B165575

HuK Umweltlabor GmbH

Further notification see: www.huk-umweltlabor.de

Division: Horn & Co. Analytics

Customer 30281

CPT cycling parts testing

Mechanicalaan 6-8
B-2610 Wilrijk

Sample Arrival Date 19.05.2016
Contract No. A160062
Sample No. P201611563
Sampler / sent by Auftraggeber / überbracht
Analysis done by HuK Umweltlabor GmbH
Analysis Date 19.05.2016 - 24.05.2016

Contact	FAX	Telephone
Herr Grüter		02395 / 212 553

Sample Identification Gummidichtung Fa. Wistio (schwarzes Metallteil)

Origin Auftraggeber

Place of Sampling Auftraggeber

Remarks

Results of Analysis

Parameter	Result	Units	SOP		Place	2. SOP
Formaldehyde	0,87	mg/L	DR. LANGE LCS 325	2*	Wen	Dr. Lange LCK 325
Naphthalene	0,85	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Acenaphthylene	0,58	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Acenaphthene	0,37	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Fluorene	1,00	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Phenanthrene	9,21	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Anthracene	0,92	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Fluoranthene	20,2	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Pyrene	110	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Benzo(a)anthracene	0,73	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Chrysene	1,76	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Benzo(b)fluoranthene	1,28	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Benzo(k)fluoranthene	<0,2	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Benzo(a)pyrene	2,27	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Indeno(1,2,3-cd)pyrene	0,95	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Dibenzo(a,h)anthracene	0,60	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Benzo(ghi)perylene	3,31	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Sum of 16 EPA PAH's (Orig)	154	mg/kg	DIN ISO 18287	1*	Wen	DIN EN 15527
Dimethyl phthalate (DMP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diethyl phthalate (DEP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diisobutyl phthalate (DIBP) (Orig)	3,18	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Dibutyl phthalate (DBP) (Orig)	17,8	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Dimethylglycol phthalate (DMeGlyP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Dipentyl phthalate (DPeP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Dihexyl phthalate (DHP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Butyl Benzyl phthalate (BBP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diheptyl phthalate (DHPP) (Orig)	<1	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Di-(2-ethylhexyl phthalate) (DEHP) (Orig)	7,69	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Di-n-octyl phthalate (DOP) (Orig)	<5	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diisononyl phthalate (DINP) (Orig)	<5	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	

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Origin Auftraggeber

Place of Sampling Auftraggeber

Parameter	Result	Units	SOP		Place	2. SOP
Dinonyl phthalate (DNP) (Orig)	<5	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diisodecyl phthalate (DIDP) (Orig)	<5	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Diisododecyl phthalate (DIDdP) (Orig)	<5	mg/kg	i.A. DIN EN ISO 18856	2*	Wen	
Sum of Phthalates (Orig)	<100	mg/kg	DIN EN ISO 18856	1*	Wen	AA-HuK-010

1* Accreditated test method: 1*: Yes; 2*: Yes, with modifications; 3*: Yes, Subcontracted // 4*: No 5*: External laboratory with accreditation
Place of determination: Wen: Laboratory Wenden, Wtz: Laboratory Wetzlar

Incorrectly provided samples can affect the test results. The results include measurement uncertainties, which may be requested if required. The analysis results refer only to the examined samples and may only be reproduced with the permission of the HuK Umweltlabor GmbH.

HuK Umweltlabor GmbH, Hünsborn 24.05.2016

Dr. William Kwarteng
HuK Umweltlabor GmbH