

Cleanliness Analysis

General data

Company	Opto
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Gravimetry

Blank value	25 mg
Cleanliness value	10 mg
Unit	mg/1000 cm ²
Weight difference/mg	0.5

Analysis

Filter-No.	1
Filter-Type	0
Filter-Size/mm	46.8
Analysis-Size/mm	43.8
Scale $\mu\text{m}/\text{Pixel}$	1.52
Calibration Filter	No
Cascade	No
Light	Incident Light
Analysis-Environment regarding ISO 14644-1	Not Defined
CCC Allowance	V(B-K23)
CCC Measurement	V(B-K11) (OK)

Inspector	
Date	11.22.2006 17:59

Comments:

Measured with 10 μm Optic,
Filter: 7U3R-4205-AA 10 μm

Standard Summary

Particle Size

VDA Bd 19

Class	Max. Number	Number
5-15	50	468
15-25	100	214
25-50	150	246
50-100	250	142
100-150	350	31
150-200	150	9
200-400	50	5
400-600	40	1
600-1000	25	1
1000-100000	10	0
Sum	1175	1117

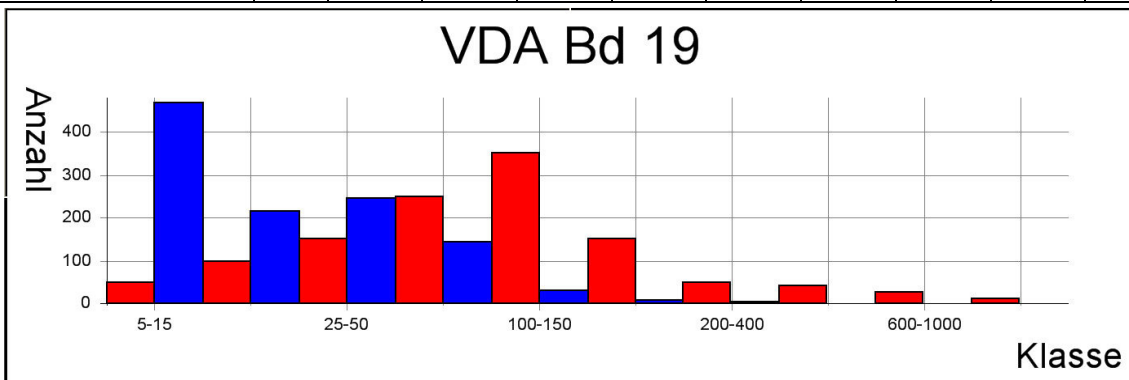
Biggest Particle (typified)

Type	Size
Fibre	646 µm
Metallic Splint	496 µm

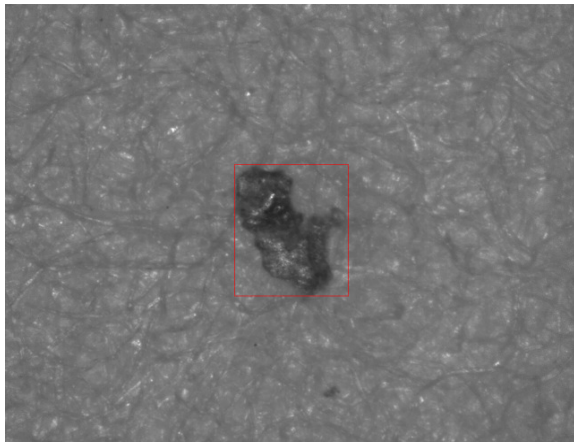
Component Cleanliness Code

CCC- Allowance	V(B-K23)
Inspection Lot [Number]:	1
Component:	100.0 cm ³
CCC-Measuring	V(B-K11) OK

Size Class	B	C	D	E	F	G	H	I	J	K
Size Range	5-15	15-25	25-50	50-100	100-150	150-200	200-400	400-600	600-1000	>1000
Particle per Lot	468	214	246	142	31	9	5	1	1	0
Particle per 100 cm ³	468	214	246	142	31	9	5	1	1	0
Concentration class	9	8	8	8	5	4	3	0	0	00



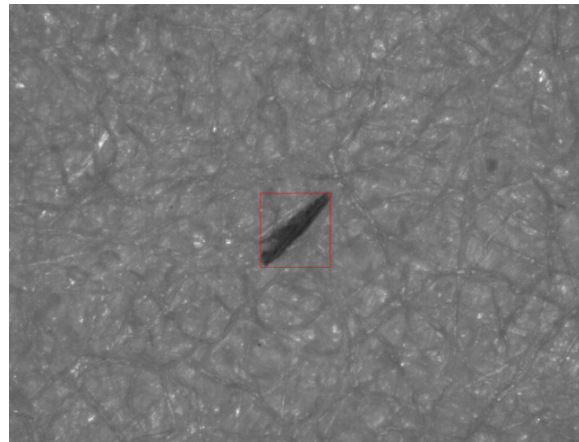
Significant Particles



Type
metallic Splint

Comment
largest particle

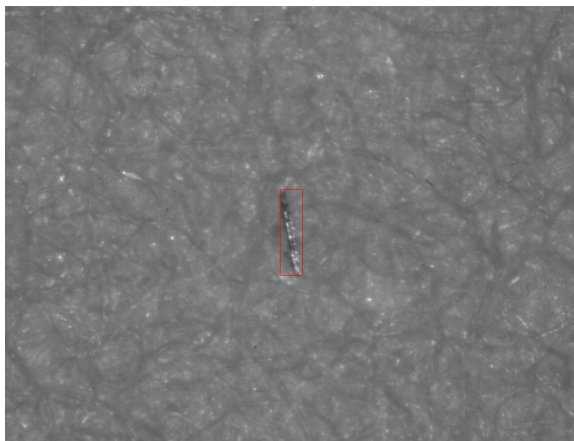
Attribute	Wert
Area	0.0934 mm ²
Length	496 µm
Width	332 µm
Fibre Thickness	118 µm
Fibre Length	790 µm



Type
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Comment
2nd largest particle - non metallic

Attribute	Wert
Area	0.0175 mm ²
Length	329 µm
Width	94 µm
Fibre Thickness	50 µm
Fibre Length	351 µm



Type
metallic Splint

Comment
3rd largest particle - metallic

Attribute	Wert
Area	0.0089 mm ²
Length	298 µm
Width	47 µm
Fibre Thickness	29 µm
Fibre Length	304 µm