

Inclusion Analysis as per ASTM E 45 method A and D (E 1122)



Date & Time: 2004-07-09, 13:40:31
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Magnification: 100x
Calibration: 0.9741 mic.

Field Area (mic.2): 297702.70
Field(s) Analyzed: 6
Total Analyzed Area (mic.2): 1268056.269
Total Analyzed Area (mm2): 1.268
Sample ID: InclusionsAnalysis eg
Heat ID: Customer x

Rating - Method A

Rating of worst field for each type

	Type A	Type B	Type C	Type D
<i>Thin:</i>	1.0	1.5	1.0	0.5
<i>Heavy:</i>	0.5	2.0	0	0.5

Rating - Method D

Quantity of fields for each severity level

		0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5
Type A (Sulfide)	<i>Thin</i>	4	1	1	0	0	0	0	0	0	0	0
	<i>Heavy</i>	5	1	0	0	0	0	0	0	0	0	0

Type B (Alumina)	<i>Thin</i>	1	0	1	4	0	0	0	0	0	0	0
	<i>Heavy</i>	5	0	0	0	1	0	0	0	0	0	0

Type C (Silicate)	<i>Thin</i>	5	0	1	0	0	0	0	0	0	0	0
	<i>Heavy</i>	6	0	0	0	0	0	0	0	0	0	0

Type D (Globular)	<i>Thin</i>	5	1	0	0	0	0	0	0	0	0	0
	<i>Heavy</i>	6	0	0	0	0	0	0	0	0	0	0

Oversize Inclusions

Oversize by length

	Type A	Type B	Type C	Type D	Total
<i>Count:</i>	0	0	0	0	0
<i>Length max:</i>	0.00	0.00	0.00	0.00	

Oversize by mean width

	Type A	Type B	Type C	Type D	Total
<i>Count:</i>	0	0	0	2	2
<i>Length max:</i>	0.00	0.00	0.00	19.78	

Signature: