SAFRAN

DMC0261 /DMC0262 QUALIFICATION RENEWAL

NAME: SOLIS Jose Eduardo

Company: ELEMENT Mexico

Date: 23/03/2021

Sample identification: PV-146838 MACROMICROS A1

Reference: YQ00-147-12168

	Grain size evaluation per DMC0261			
LOCATION (see sheet 1)	Applicant codification according to mapping	S.A.E. codification	Remarks	score
SPOT 1	U9.5E	U9.5E	ΔG=0	1
SPOT 2	U60%9E +12E	U60%8.5E +12E	ΔG=+0.5	1
SPOT 3	U9.5E +qq0.054mmE	U90%11.5E +8.5E à U11.5E +qq0.044 mmE	ΔG=+1; rd=1.23 fine grains missing	0,5
SPOT 4	U10E+qq0.054mmN (équiv. 8N)	U60%11.5E+7.5K	Pop. Rated as scattered grains	0
SPOT 5	U8E	U60%11E +7K	ΔG=+1 fine grains missing	0.5
SPOT 7	U11E +qq0.085mmE (équiv. 6.5E)	U90%12E +5.5E	ΔG=+1	0.5
SPOT 8	C80%6E +13E	C80%6E +12E	ΔG=0	1
SPOT 9	U11E	U11.5E	ΔG=-0.5	1
SPOT 10	U11E +qq0.057mmE	U11.5E +qq0.051mmE	ΔG=-0.5; rd=1.12	1
SPOT 11	C70%5E+12E	C70%5.5E+12.5E+qq0,204mmE (équiv. 4ASTM)	ΔG=-0.5	1
SPOT 12	U7.5E +qq0.11mmE	U 70%7E +11.5E	ΔG=+0,5 fine grains missing	1
SPOT 13	C50%11E +5.5N	U60%12E +5.5E	ΔG=0	1
			TOTAL	**9,5 /12**

Rating scale:

Difference on coarse G. pop. ($G_{applicant}$ - G_{SAE})	Ratio on scat. G. diameter ($d_{applicant}$ / d_{SAE})	score
≤ 0,5 ASTM	0,8≤ d ≤1,4	1
1 ASTM	0,7≤ d <0,8 ou 1,4< d ≤1,7	0,5
1,5 ASTM	0,6≤ d <0,7 ou 1,7< d ≤2,0	0
coarse G. pop. (>20%) rated as scattered G.		0
≥ 2 ASTM	d <0,6 ou 2,00< d	0*

* may be failing grade

Deviations to correct :	The transition area located under spot A is not properly described by current adjacent areas.A new coarse grains homogeneous area should be added on this location. Populations were improperly averaged in few areas (spots 3, 5) Some lack of precision in micro spots and areas locations are observed.

DMC0261 / DMC0262 QUALIFICATION RENEWAL SHOULD BE PRONOUNCED FOR A TOTAL HIGHER OR EQUAL TO 9/12

PASSED ☒	FAILED ☐	signature:  date: 22/11/2021

Comments:

Main rules of DMC0261 and DMC0262 are understood and applied and coarsest grains areas are properly identified (except on area A where mapping is currently unclear)**.**

Use higher magnification for fine grain population rating and proper grain type identification.

Reduce the steps of the examination grid in order to improve accuracy of the map and avoid missing areas.

Uncontrolled If Printed