

Rapport de validation ou  
Qualification Procédé  
Spécial

A-TM0010112

Version A

Renouvellement qualification PAEDX Jet Care  
RQPS

Langue principale / *Principal language* : Français

Langue secondaire / *Secondary language* :

## LIENS / *Links*

### Documents de description / *Description documents* :

Référence / <i>Doc Number</i>	Désignation / <i>Designation</i>	Type / <i>Type</i>	Version / <i>Version</i>
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### Documents de référence / *Reference documents* :

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### Documents CAO / *CAD documents* :

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Ref: A-TM0010112

Ind:

<b>Nom du Laboratoire</b> <i>Laboratory name</i>	Jet Care International Inc	
<b>Adresse</b> <i>Address</i>	3 Saddle Road, Cedar Knolls, NJ 07927 USA	
<b>Contact</b> <i>Contact</i>	<b>Nom :</b> <i>Name:</i> Alison Potere	<b>Fonction :</b> <i>Title:</i> Continuous Improvement Manager
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	<b>Qualification initiale</b> <i>Initial approval</i> <input type="checkbox"/>	<b>Renouvellement de qualification</b> <i>Renewal qualification</i> <input checked="" type="checkbox"/>
	<b>*Si Autre préciser :</b> <i>* If other, please detail:</i>	

Technique analytique <i>Analytical technique</i>	Référentiel Technique <i>Technical specifications</i>	Installation	Décision <i>Decision</i>	Restriction techniques
SEM Microanalysis	022765 Qualification requirements for Particle Analysis	SEM JEOL JSM 6510 s/n MP131000-13 JSM 6380 s/n MP19200034 JSM 5610 s/n M017440029	Qualifié/Qualified	N/A

Représentants Safran <i>Safran representative</i>	
<b>Rédacteur/Editor</b>	<b>Auditeur SAFRAN MTL/ Auditor SAFRAN MTL</b>
Nom / <i>Name</i> : Martine Jimenez	Nom / <i>Name</i> : Martine Jimenez
Date : 27/01/2023      Visa : 	Date 27/01/2023      Visa : 

Spécifications de la qualification/ Qualification Specifications	
Référentiels techniques Safran Safran technical specifications	022765 Qualification requirements for Particle Analysis
Autres référentiels Other specifications	

**Produits audités**  
Products audited

Samples SafranHE A-TM0009084-3.

**Motivation de la décision**  
Roots of the decision

Jet Care meets the Qualification requirements described in document 022765.  
Cross over tests; The results provided by the laboratory are in line with those expected.

**Jet Care is qualified for the particles analysis by SEM-EDS.**  
This qualification reported in the **AQL AA264417** is valid **until January 2026**.

*This agreement is garanted according to the conditions mentioned in this report (equipment, method, staff in charge of analyzes).  
In the event of a change of one of these conditions (equipment, technical intervention on the device, people in charge of analyses ...) which could modify the results, the laboratory must initiate a process of renewal of correlation with Safran HE (DT/MPE).*

Concerning analysis for SAFRAN HE engines, you will have to send the particles results by email to the following recipients :

- the customer for action (PDF files)
- the DT/MPE of SAFRAN HE for information : [oilssystem-analysis.fr.she@safrangroup.com](mailto:oilssystem-analysis.fr.she@safrangroup.com) (PDF files + Excel file according to the given model).

**Eléments analysés**  
Items reviewed

1	Report SEMUS9513	6	Qualification request dated November 30th 2022
2	Report SEMUS9514	7	
3	Report SEMUS9515	8	
4	Report SEMUS9516	9	
5	Report SEMUS9517	10	

**1) Contexte / Context**

This qualification concerns the realization of quantitative analysis of metal particles by SEM-EDS.

The qualification process consists in checking that the laboratory :

- Has the necessary equipment (SEM and EDS microanalysis system) and the relevant qualified technicians required to conduct these measurements.
- Is able to carry out the quantitative measurements in order to differentiate the various material grades found on our samples.

**2) Résultats de la reconnaissance d'aptitude / Results of the capability recognition survey**

*3.1) Examen des moyens / Survey of the facility*

The laboratory has the necessary equipment (SEM + EDS)

SEM JEOL	JSM 6510	s/n MP131000-13	since 22 Dec 2008
SEM JEOL	JSM 6380	s/n MP19200034	since 01 May 2008
SEM JEOL	JSM 5610	s/n M017440029	since 01 May 2002

*3.2) Examen documentaire / Survey of the documentation*

N/A

*3.3) Examen de la qualification des opérateurs / Survey of the qualification of the personnel*

**STAFF QUALIFIED TO CONDUCT THESE TESTS**

Surname	First name	Training	Position	Experience in the position
Mehta	Nilay	SEM / ICP	Lab Supervisor	18 yrs
Yazar	Mike	SEM / ICP	Lab Coordinator	19 yrs
Friga	Elizabeth	SEM / CP	Senior tech	10 yrs
Olmo	Damaris	SEM / ICP	Senior Tech	5 yrs
Mehta	Nidhi	SEM / ICP	Senior Tech	5 yrs

*3.4) Examen de la mise en œuvre du procédé / Survey of the implementation of the process*

The implementation of the means was verified by a cross-correlation test on metal particles between the Jet Care laboratory and the one of Safran HE (DT/MPE).

3.5) Examen des essais croisés/ Survey of the cross tests

	SAFRAN HE	Spectro Jet Care
Echantillon n°1	100C6	100C6
	XC18	XC...
	15CDV6	15CDV6
		100MCV4
Echantillon n°2	AU4G1	AU4G1
	Z12CNDV12	Z12CNDV12
	16NCD13	16NCD13
		100MCV4
Echantillon n°3	25CD4	25CD4 ou 30CD4 ou 35CD4 ou 25CD4S
	Z10CNT18-10	Z6CN18-8/Z2CN18-10/ Z12CN18-10
	35NCD16	35NCD16
		100MCV4
Echantillon n°4	16NCD13	16NCD13
	35NCD16	35NCD16
		100MCV4
Echantillon n°5	100C6	100C6
	16NCD13	16NCD13
	Z12CNDV12	Z12CNDV12
	15CDV6	15CDV6
	100MCV4	

**All the materials present in the different samples were identified by Jet Care**

The laboratory detected, in all the samples, 100MCV4 ..... This material is not present in the sample but it could be a pollution of the samples.

**These results make it possible to pronounce the renewal of the qualification of the laboratory**