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 Approved by (department acronym, name)
LSX Celso Marcos Goncales +55 11 4344-9268
 Issued by (department acronym name phone)
LSXS Dirceu Alécio E. Silva +55 11 4344-8860

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Approved Cleanliness Laboratory Suppliers

BRAZIL (LSXS)						
SUPPLIER	Tier	PROCESS	REQUIREMENTS	STATUS	CITY	LAST AUDIT
ENGE - SOLUTIONS	2	Cleanliness	Old requirements	Approved	Jardim Umarizal, São Paulo - SP, CEP: 05754-040	03/07/2017
			New requirements	Approved		

ARGENTINA (LMO)						
SUPPLIER	Tier	PROCESS	REQUIREMENTS	STATUS	CITY	LAST AUDIT
ABS	2	Cleanliness	Old requirements	Approved	Buenos Aires -AG	Homologated after 2003
			New requirements	Not Evaluated		
INTI	2	Cleanliness	Old requirements	Approved	Buenos Aires -AG	Homologated after 2003
			New requirements	Not Evaluated		

Cleanliness Requirements

1.1	Company certification	ISO norms / Technical norms / Automobile	ISO16232	New requirements
1.3	Environment	Cleanliness / Overpressure / Temperature	ISO14644 – Class 8	New requirements
1.8	People qualification	ISO16232		New requirements
		VDA19		New requirements
		Visual Acuity Exam		New requirements
5.1	Microscope	Particle Composition (Metallic / Fibbers)		New requirements
1.2	Component handling	Gloves / Unpacking	Nitrilic Gloves / Unpacking inside	Old requirements
2.1	Reduction Test	Method		Old requirements
2.2	Inspection routine	Frequency / Change parts	1 per week (same PN)/100% changed PN	Old requirements
3.1	Equipment	Cabin / Recipients / Devices		Old requirements
3.2	Collection	Method Rinsing / sensitive/ shaking/ ultrasonic	According to TB's and STD	Old requirements
4.1	Filter	Material / pore sizes	According to STD4189	Old requirements
5.1	Microscope	Particle Counting / Characterization		Old requirements
5.3	Measuring Points		9 Points Minimum	Old requirements
5.6	Minimum particle size	1,2µm		Old requirements
5.8	Calibration	Standard filter		Old requirements