



LIST OF SPECIFICATIONS FOR SUPPLIERS

Last Update 28/10/2022

N° SPEC.	REV.	REVISION DATE (dd/mm/yyyy)	TYPE	DESCRIPTION	VALID SINCE (dd/mm/yyyy)
MAC 001	C	20/03/1996	Ceramic cores	Ceramic Cup For Commercial Parts Type Fauchon Baudot	20/03/1996
MAC 002	C	20/07/2017	Ceramic cores	Ceramic Cup For Special Parts MRI 2683 (MRI 5000)	20/07/2017
MAC 003	D	20/07/2017	Ceramic cores	Ceramic cup for special parts "MRI 3000"	20/07/2017
MAC 004	D	20/07/2017	Ceramic cores	Ceramic cup for special parts "howmet type"	20/07/2017
MAC 008	D	24/02/1998	Ceramic cores	A7-FR60 filled Blayson wax	24/02/1998
MAC 009	C	11/01/2010	Ceramic cores	A7-2303 Water soluble Blayson wax	11/01/2010
MAC 010	4	07/03/2022	Ceramic cores	DIP Seal Wax A7-205 M	09/04/2022
MAC 011	B	11/01/2010	Ceramic cores	Sticking Wax "STICKTITE - T"	11/01/2010
MAC 012	C	11/01/2010	Ceramic cores	Sealing and Patching Wax "UTILITY WAX 1/8"	11/01/2010
MAC 013	A	16/01/2001	Ceramic cores	Cerita Water Soluble Wax 28 - 8	16/01/2001
MAC 014	A	13/02/2002	Ceramic cores	A7-201 Blayson Repair Wax	13/02/2002
MAC 015	A	19/09/2005	Ceramic cores	Solvente METRYL GI 020	19/09/2005
MAC 017	B	08/11/1994	Ceramic cores	Gesso Giallo S-73	08/11/1994
MAC 018	B	08/11/1994	Ceramic cores	Grafite Colloidale DAG 580	08/11/1994
MAC 020	C	11/01/2010	Ceramic cores	Acido Citrico Monoidrato	11/01/2010
MAC 022	A	02/09/2010	Ceramic cores	Hyfill DS1 Filled Remet Wax	02/09/2010
MAC 023	2	07/03/2022	Ceramic cores	A7-FR/60 DPC Filled Pattern Wax	09/04/2022
MAC 024	B	18/04/2011	Ceramic cores	A7-2800 Water Soluble Blayson Wax	18/04/2011
MAC 025	2	07/03/2022	Ceramic cores	RECON MICRO2 Filled Pattern Wax	09/04/2022
MAC 026	B	24/02/1998	Ceramic cores	A7-KC2/E Emulsified Blayson Pattern Wax	24/02/1998
MAC 027	B	11/01/2010	Ceramic cores	Lubocolor Agente Distaccante per Modelli in Cera	11/01/2010
MAC 028	B	11/01/2010	Ceramic cores	Dissolvant Cire ZDI 50867	11/01/2010
MAC 030	B	29/02/2012	Ceramic cores	Reclaim MICRO2 Natural Reclaim Wax	29/02/2012
MAC 031	A	02/09/2010	Ceramic cores	WW/10 Base Blue Wax	02/09/2010
MAC 032	B	29/02/2012	Ceramic cores	A7-MFS/E Emulsified Pattern Wax	29/02/2012

MAC 033	1	19/11/2021	Ceramic cores	General Purchase Specification for Ceramic Cores	25/01/2022
MAC 034	0	12/02/2019	Ceramic cores	Ceramic Core code 12339	12/02/2019
MAC 035	1	14/05/2019	Ceramic cores	Ceramic Core code 12342	14/05/2019
MAC 036	0	09/03/2020	Ceramic cores	Ceramic Core code 12340	09/03/2020
MAC 038	0	26/11/2019	Ceramic cores	Ceramic Core code 12343	26/11/2019
MAC 041	0	17/02/2020	Ceramic cores	Ceramic Core code 12345	17/02/2020
MAC 042	1	05/10/2020	Ceramic cores	Ceramic Core code 12344	05/10/2020
MAC 043	0	17/02/2020	Ceramic cores	Ceramic Core code 12346	17/02/2020
MAC 044	0	10/04/2020	Ceramic cores	Ceramic Core code 12348	10/04/2020
MAC 045	0	17/04/2020	Ceramic cores	Ceramic Core code 12347-01 LE	17/04/2020
MAC 046	0	17/04/2020	Ceramic cores	Ceramic Core code 12347-02 TE	17/04/2020
MAC 048	0	29/06/2021	Auxiliary Materials	P15-XF Filled Pattern Wax	29/06/2021
MAC 049	0	07/03/2022	Auxiliary Materials	A7-207 DIP SEAL WAX	09/04/2022
MAC 050	0	07/03/2022	Auxiliary Materials	A7-AD/15 ADHESIVE WAX	09/04/2022
MAC 051	0	07/03/2022	Auxiliary Materials	A7-FR/38 FILLED WAX	09/04/2022
MAF 002	C	09/09/2011	Auxiliary Materials	CERAMIC FIBER (SUPERWOOL BLANKET 607)	09/09/2011
MAF 003	A	22/04/1993	Auxiliary Materials	REFRACTORY CEMENT TASIL 301	22/04/1993
MAF 004	C	01/02/1996	Auxiliary Materials	CEMENTO REFRATTARIO TUNDISH 4	01/02/1996
MAF 005	C	01/02/1996	Auxiliary Materials	CEMENTO REFRATTARIO NERO TIXOCOL 300	01/02/1996
MAF 006	C	17/07/1995	Auxiliary Materials	CEMENTO REFRATTARIO ZIRCOTIX	17/07/1995
MAF 007	A	17/07/1995	Auxiliary Materials	CROGIOLI IN GRAFITE (LAVAGGIO FORNI)	17/07/1995
MAF 009	A	17/07/1995	Auxiliary Materials	SODIO SILICATO	17/07/1995
MAF 010	B	21/07/1994	Auxiliary Materials	HOWMET ZIRCONIA CRUCIBLES	21/07/1994
MAF 011	B	21/07/1994	Auxiliary Materials	MORGANITE ZIRCONIA CRUCIBLES	21/07/1994
MAF 012	B	21/07/1994	Auxiliary Materials	WILLAN ZIRCONIA CRUCIBLES	21/07/1994
MAF 013	B	05/09/1994	Auxiliary Materials	CRUCIBLES BACK-UP ZIRCOA 1859 (VACUUM FURNACE)	05/09/1994
MAF 014	C	12/12/1994	Auxiliary Materials	ESAMINA	12/12/1994
MAF 015	B	12/12/1994	Auxiliary Materials	SEGATURA	12/12/1994
MAF 016	A	24/01/1994	Auxiliary Materials	EXOTHERMIC POWDER	24/01/1994
MAF 017	A	25/01/1994	Auxiliary Materials	HIGH TEMPERATURE GREEN TEXTILE	25/01/1994
MAF 018	B	02/08/1996	Auxiliary Materials	LADLE REFRACTORY MIXTURE AND CRUCIBLE BACK-UP FOR TILTING FURNACES	02/08/1996
MAF 019	B	05/09/1994	Auxiliary Materials	CRUCIBLE BACK-UP PAG MIX (ROLL-OVER FURNACES)	05/09/1994
MAF 020	A	22/07/1994	Auxiliary Materials	CRUCIBLE BACK UP PYROPROTEX (TILTING FURNACES)	22/07/1994

MAF 021	A	17/07/1995	Auxiliary Materials	SLAG OFF 210	17/07/1995
MAF 022	A	17/07/1995	Auxiliary Materials	ISOLAC (DISTACCANTE PER LINGOTTIERE)	17/07/1995
MAF 023	A	24/07/2012	Auxiliary Materials	ANNULLED IN DATE 30/11/2021 AND REPLACED BY MAF 025 Rev.0	24/07/2012
MAF 024	A	24/07/2012	Auxiliary Materials	ANNULLED IN DATE 30/11/2021 AND REPLACED BY MAF 025 Rev.0	24/07/2012
MAF 025	O	30/11/2021	Auxiliary Materials	SUPERWOOL BLANKET PLUS	
MAR 001	E	02/09/2010	Auxiliary Materials	Zircon flour 325 mesh	02/09/2010
MAR 003	B	13/11/1995	Auxiliary Materials	Tabular alumina 14/28 mesh	13/11/1995
MAR 004	D	28/11/1995	Auxiliary Materials	White fused alumina 120 mesh	28/11/1995
MAR 007	D	11/01/2010	Auxiliary Materials	Molochite 16/30 mesh DD	11/01/2010
MAR 008	C	11/01/2010	Auxiliary Materials	Molochite flour -200 mesh	11/01/2010
MAR 009	E	11/01/2010	Auxiliary Materials	Dow latex	11/01/2010
MAR 014	F	11/01/2010	Auxiliary Materials	Cerametal 0.5/1 mm	11/01/2010
MAR 015	D	11/01/2010	Auxiliary Materials	Zircon sand	11/01/2010
MAR 016	F	11/01/2010	Auxiliary Materials	Fused silica 120 mesh	11/01/2010
MAR 017	4	23/03/2022	Auxiliary Materials	SM 30 Ludox- colloidal silica	24/03/2022
MAR 018	D	11/01/2010	Auxiliary Materials	Primcote binder R.&R.	11/01/2010
MAR 019	C	11/01/2010	Auxiliary Materials	Polistirolo in sfere	11/01/2010
MAR 020	D	11/01/2010	Auxiliary Materials	AK3 binder basico	11/01/2010
MAR 022	D	11/01/2010	Auxiliary Materials	Fused silica 200 mesh	11/01/2010
MAR 024	D	11/01/2010	Auxiliary Materials	Wet.in – wetting agent	11/01/2010
MAR 028	B	11/01/2010	Auxiliary Materials	Molochite 50/80	11/01/2010
MAR 029	B	11/01/2010	Auxiliary Materials	Alcool etilico	11/01/2010
MAR 030	B	11/01/2010	Auxiliary Materials	Acido cloridrico	11/01/2010
MAR 031	A	11/01/2010	Auxiliary Materials	Molochite Flour -120	11/01/2010
MAR 034	B	11/01/2010	Auxiliary Materials	Acqua deionizzata	11/01/2010
MAR 035	1	23/03/2022	Auxiliary Materials	Burst 100	24/03/2022
MAR 036	B	11/01/2010	Auxiliary Materials	Levasil 200 A/40%- colloidal silica	11/01/2010
MAR 037	B	11/01/2010	Auxiliary Materials	PX30 Ludox- colloidal silica	11/01/2010
MAR 038	A	20/10/2022	Auxiliary Materials	Prince Cobalt Aluminate	28/10/2022
MAR 039	O	23/03/2022	Auxiliary Materials	Zircon Prime Flour Calcinated - 325	24/03/2022
MAR 040	O	23/03/2022	Auxiliary Materials	Remet V12+	24/03/2022
STA 001	1	02/10/2019	NDT	TARATURA DI STRUMENTI FOTOMETRICI Supplier Calibration Requirements - Photometric Tools	02/10/2019
STA 002	O	09/07/2019	HIP	HIP Process – General Requirements	09/07/2019

STA 003	1	04/11/2021	NDT	PRODOTTI CONSUMABILI PER PT <i>Supplier Requirements for Consumable PT</i>	05/11/2021
STA 004	0	02/10/2019	NDT	CONTROLLO BRILLANTEZZA PENETRANTE <i>Supplier Check of Penetrant Brightness</i>	02/10/2019
STA 101	2	28/09/2012	HT / WLD	Requisiti Tecnici di fornitura GAS ARGON Q	28/09/2012
STA 204	10	07/03/2022	Alloy	Nickel base alloy for VACUUM investment vacuum castings INCONEL 718	14/03/2022
STA 205	6	07/03/2022	Alloy	Nickel base alloy for VACUUM investment castings MSRR7040 / NIMONIC C 263	14/03/2022
STA 206	12	07/03/2022	Alloy	Nickel base alloy for VACUUM investment castings RRMS 33017 (ex MSRR 7046)	14/03/2022
STA 209	7	09/05/2013	Alloy	Nickel base alloy for VACUUM investment castings INCONEL 792	09/05/2013
STA 210	7	15/09/2011	Alloy	Nickel base alloy for VACUUM investment castings INCONEL 939	15/09/2011
STA 211	22	27/09/2021	Alloy	Nickel base alloy for VACUUM investment castings 70-30 INCONEL 738 LC	30/09/2021
STA 214	6	02/02/2012	Alloy	Nickel base alloy for VACUUM investment castings UDIMET 500	02/02/2012
STA 215	12	29/06/2017	Alloy	Nickel base alloy for VACUUM investment castings HASTELLOY X	29/06/2017
STA 218	2	19/10/2020	Alloy	Nickel base alloy for VACUUM castings INCONEL 713 LC	20/10/2020
STA 219	8	16/03/2021	Alloy	Nickel base alloy for VACUUM investment castings 247 LC	16/03/2021
STA 222	2	20/05/2013	Alloy	Cobalt base alloy for VACUUM investment castings MAR M 509	20/05/2013
STA 226	5	27/08/2021	Alloy	Nickel base alloy for VACUUM investment castings INCONEL 939 MOD. / Weldable	28/08/2021
STA 227	6	29/06/2017	Alloy	Cobalt base alloys for VACUUM investment castings FSX 414	29/06/2017
STA 228	3	22/07/2020	Alloy	ANNULLED IN DATE 27/08/2021 AND REPLACED BY STA 226 Rev.5	28/08/2021
STA 230	1	02/02/2012	Alloy	Nickel base alloys for VACUUM investment castings UDIMET500 CONCAST	02/02/2012
STA 241	0	03/02/2012	Alloy	Nickel base alloys for VACUUM investment castings EEQ 111	03/02/2012
STA 242	4	21/12/2020	Alloy	Nickel base alloys for investment vacuum castings PSM 116	22/12/2020
STA 243	2	29/06/2017	Alloy	IN738LC 50-50 VACUUM - ANNULLED	29/06/2017
STA 252	5	27/09/2011	Alloy	Cobalt base alloys for AIR investment castings STELLITE X 40	27/09/2011
STA 253	16	29/06/2017	Alloy	Nickel base alloys for AIR investment castings HASTELLOY X	29/06/2017
STA 254	7	08/10/2012	Alloy	Cobalt base alloys for AIR investment castings STELLITE X 45	08/10/2012
STA 255	12	29/06/2017	Alloy	Iron base alloys for AIR investment castings 17-4/PH	29/06/2017
STA 259	9	08/05/2019	Alloy	Iron base alloys for AIR investment castings N 155	08/05/2019
STA 263	3	20/10/2011	Alloy	Iron base alloys for AIR investment castings GX12CrNi2521 AISI310S	20/10/2011
STA 264	7	11/10/2011	Alloy	Iron base alloys for AIR investment castings GX23CrMoV12.1	11/10/2011
STA 265	1	25/01/2013	Alloy	Iron base alloys for AIR investment castings AISI302 AIR	25/01/2013
STA 267	5	12/10/2011	Alloy	Iron base alloys for AIR investment castings AISI 304	12/10/2011
STA 290	4	27/06/2013	Alloy	Iron base alloys for AIR investment castings FV 520 produced with AIR casting method	27/06/2013
STA 291	5	05/03/2012	Alloy	Iron base alloys for AIR investment castings ALLOY 6517 produced with air casting process	05/03/2012
STA 327	11	29/06/2017	Alloy	Cobalt base alloys for AIR investment castings FSX 414 produced with VIM/AOD/CC method	29/06/2017

STA 356	2	05/11/2004	Alloy	Iron base alloys for AIR investment castings STG 13 TNI	05/11/2004
STA 361	4	06/02/2013	Alloy	Iron base alloys for AIR investment castings Z12C13	06/02/2013
STA 383	2	22/01/2013	Alloy	Iron base alloys for AIR investment castings TYPE AISI 347 – Z10CNNb18	22/01/2013
STA 390	0	11/10/2011	Alloy	Iron base alloys for AIR investment castings GX 23 CrMoV12-1 produced with AIM / AOD / CC method	11/10/2011
STA 392	0	20/10/2011	Alloy	Iron base alloys for AIR investment castings FV520 produced with AIM / AOD / CC method	20/10/2011
STA 400	2	09/02/2021	Alloy	Nickel base alloys for Investment castings RENE' 108	10/02/2021
STA 401	0	02/02/2016	Alloy	Nickel base alloys for VACUUM investment castings GTD 241	02/02/2016
STA 402	0	02/02/2016	Alloy	Nickel base alloys for VACUUM investment castings GTD 262	02/02/2016
STA 403	0	11/05/2016	Alloy	Nickel base alloys for VACUUM investment castings 50-50 GTD 141+	11/05/2016
STA 404	0	13/06/2016	Alloy	Nickel base alloys for VACUUM investment castings RENE' N2M	13/06/2016
STA 405	0	15/11/2017	Alloy	Nickel base alloy for VACUUM investment castings INCONEL 792 (ANNULLED - SEE STA209)	15/11/2017
STA 406	0	13/03/2018	Alloy	Nickel base alloy for VACUUM investment castings PSM 109	13/03/2018
STA 407	0	07/05/2018	Alloy	Nickel base alloy for VACUUM investment castings 70-30 GTD 141+	07/05/2018
STA 408	0	16/03/2021	Alloy	Nickel base alloy for VACUUM investment castings GTD 111	16/03/2021
TTE 001	2	08/10/2018	Heat Treatment	Solution Heat Treatment	08/10/2018
TTE 002	2	08/10/2018	Heat Treatment	Precipitation hardening	08/10/2018
TTE 003	1	27/02/2013	Heat Treatment	Precipitation hardening	27/02/2013
TTE 004	2	14/12/2016	Heat Treatment	Precipitation hardening	14/12/2016
TTE 005	2	11/11/2019	Heat Treatment	Solution Heat Treatment	11/11/2019
TTE 006	1	07/03/2013	Heat Treatment	Precipitation hardening	07/03/2013
TTE 007	2	17/01/2022	Heat Treatment	Solution Heat Treatment	21/01/2022
TTE 008	1	04/03/2013	Heat Treatment	Solution Heat Treatment	04/03/2013
TTE 009	1	05/11/2013	Heat Treatment	Solution Heat Treatment	05/11/2013
TTE 010	1	13/12/2016	Heat Treatment	Solution Heat Treatment	13/12/2016
TTE 011	0	19/10/2011	Heat Treatment	Solution Heat Treatment	19/10/2011
TTE 012	0	20/04/2012	Heat Treatment	Omogeneization	20/04/2012
TTE 013	1	22/06/2012	Heat Treatment	Normalizing	22/06/2012
TTE 014	2	22/06/2012	Heat Treatment	Tempering	22/06/2012
TTE 015	0	07/06/2012	Heat Treatment	Stress Relieve	07/06/2012
TTE 016	0	27/02/2013	Heat Treatment	Coating Simulation – Secondary Heat Treat	27/02/2013
TTE 017	0	04/10/2013	Heat Treatment	Solution Heat Treatment	04/10/2013

TTE 018	0	10/10/2013	Heat Treatment	Omogeneization	10/10/2013
TTE 019	0	10/10/2013	Heat Treatment	Solution Heat Treatment	10/10/2013
TTE 020	0	15/10/2013	Heat Treatment	Solution Heat Treatment	15/10/2013
TTE 021	1	07/11/2013	Heat Treatment	Solution Heat Treatment	07/11/2013
TTE 022	0	16/10/2013	Heat Treatment	Annealing	16/10/2013
TTE 023	0	16/10/2013	Heat Treatment	Annealing	16/10/2013
TTE 024	1	19/02/2014	Heat Treatment	Omogeneization	19/02/2014
TTE 025	1	19/02/2014	Heat Treatment	Solution Heat Treatment	19/02/2014
TTE 026	0	19/01/2017	Heat Treatment	Thermal cycle – Thermal etching pre-LP	19/01/2017
TTE 027	0	03/05/2017	Heat Treatment	Solution Heat Treatment sec. PSM117	03/05/2017
TTE 028	0	27/10/2017	Heat Treatment	Stress relief	27/10/2017
TTE 029	0	07/02/2018	Heat Treatment	Precipitation hardening H1100	07/02/2018
TTE 030	1	08/10/2018	Heat Treatment	Solution Heat Treatment	08/10/2018
TTE 031	1	21/07/2020	Heat Treatment	Precipitation INC 718	21/07/2020
TTE 032	DRAFT		Heat Treatment	Omogeneizzazione e Solubilizzazione INCONEL 718	
TTE 033	0	04/03/2021	Heat Treatment	Solubilizzazione PSM 109	04/03/2021
TTE 036	1	20/12/2021	Heat Treatment	Stabilizzazione PSM 109	23/12/2021
TTE 037	0	17/01/2022	Heat Treatment	Solubilizzazione + Stabilizzazione PSM 109	21/01/2022
TTE038	0	07/04/2022	Heat Treatment	Solubilizzazio per lavorazione Inconel 738LC	12/04/2022
TTE 039	0	14/06/2022	Heat Treatment	Heat Treatment - Solubilizzazione 1° invecchiamento - 2° invecchiamento	15/06/2022
TTE 040	0	07/07/2022	Heat Treatment	Solubilizzazione MAR.M 247LC	09/07/2022
HIP 18	3	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 20	1	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 21	4	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 22	2	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 24	2	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 25	4	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 26	3	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 27	9	11/10/2017	Hot Isostatic Press.	Multiple Materials	11/10/2017
HIP 28	2	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 29	0	06/07/2009	Hot Isostatic Press.	Multiple Materials	06/07/2009
HIP 30	2	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016

HIP 31	2	24/03/2017	Hot Isostatic Press.	Multiple Materials	24/03/2017
HIP 32	2	18/01/2018	Hot Isostatic Press.	Multiple Materials	18/01/2018
HIP 33	2	24/06/2016	Hot Isostatic Press.	Multiple Materials	24/06/2016
HIP 34	0	07/03/2022	Hot Isostatic Press.	Multiple Materials	14/03/2022
21/01/22 - CANCELLED MAF 023 and MAF 024 and substituted with MAF 025 Rev.0 / Revised TTE 07 rev.2 / New TTE 37 Rev.0					
25/01/22 - Update: Revised MAC 033 Rev.1					
12/04/22 - Update: STA 204 Rev.10 - STA 205 Rev.6 - STA 206 Rev.12 - MAR 017 Rev.4 - MAR035 Rev.1 Added MAR 039 Rev.0 - MAR 040 Rev.0 - HIP 34 Rev.0 - TTE038 Rev.0 - Corrected the titles from HIP 18 to HIP 33					
06/05/22 - Updated: MAC 010 Rev.4 -MAC 023 Rev.2 - MAC 025 Rev.2 New emission: MAC 049 Rev.0 - MAC 050 Rev.0 - MAC 051 Rev.0					
08/07/22 - Added TTE 039 Rev.0 - TTE 040 Rev.0					
28/10/22 - Updated MAR 038 Rev.1					