Trade Name: SRC HM1 RMA (Ag2) V16L 9,5%

1. Company Address:

Almit GmbH
Dekan-Groh-Straße 4
(DE) 64720 Michelstadt - near Frankfurt
Ph.: +49 6066 96884-0
Fax: +49 6066 96884-18

2. Validity:

This specification is specified for:
Almit-Solder-Paste SRC HM1 RMA (Ag2) V16L 9,5%
Delivered by Almit GmbH to: _____

3. Diameter & Allowance:

Weight	500g	500g	800g	1500g	
Allowance	-0, +10g				

4. Deliverable Reel Size:

Metal Name	Solidus °C	Liquidus °C	Specific Gravity
Sn62 AG2	179	190	8.4

5. Physical Properties:

Test	Characteristics	Test Methods
Metal Content	90.5 ± 1.0	IPC-TM-650 2.2.20
Silver Chromate	pass	IPC-TM-650 2.3.33
Copper Mirror Test	pass	IPC-TM-650 2.3.32
SIR (85°C, 85%, 168hr) (Ω)	≥ $1x10^{8}$	IPC-TM-650 2.6.3.3
Corrosion Test	pass	IPC-TM-650 2.6.15
Flux materials composition	RO	J-STD 004 1.2
Quantitative Halide	L1 < 0.5%	IPC-TM-650 2.3.35
Fluorides By Spot Test	pass	IPC-TM-650 2.6.35.1

6. Characterisitcs:

Composition	Components							
	Sn	Pb	Cu	Ag	Sb	Bi	Au	In
Standard	62.0	Rest	≤0.05	2.0	≤0.12	≤0.1	≤0.08	≤0.1
Composition	Components							
	Al		As	Cd	Fe	Ni	Zn	
Standard	≤0.001		≤0.03	≤0.002	≤0.02	≤0.01	≤0.001	

7. Solder Powder Size & Distribu on :

% of Sample by Weight – Nominal Size

Type	not larger than	less than 1% larger than	at least 80% between	at most 10% less than
Type 4 V16L	40 Microns	38 Microns	20 - 38 Microns	20 Microns

8. Lot-Size: A single lot contains 500kg which is the amount of one melting.

9. Quality and Inspecon :

Inspecon items are applied to each lot as follows :

Test No.	Inspection Item	Contents	Standard	
1	Appearance	Color	Comparison with Limit Specimen	
2	Weight	Net Weight	-0 ; +10	(g)
3	Solder Powder Size	20 - 38 µm V16L	94 ≤	(wt%)
4	Metal Composition	Pb	Rest	(wt%)
		Sn	62.0 ± 0.5	(wt%)
		Ag	2.0 ± 0.2	(wt%)
				(wt%)
5	Characteristics	Flux Content	9.5 ± 0.5	(wt%)
6		Solder Balling Test	Comparison with Limit Specimen	
7		Viscosity (Spiral type, 10rpm, 25°C) (IPC-650-2.4.34.3)	210000 ± 30000 210 ± 30	(cps) (Pa•s)
8		Solderability on Cu-Plate	Comparison with Limit Specimen	
9		Dryness	Chalk powder should be easily removed from each test specimen.	

*Straight lines of solder paste are printed on a JIS-2 type substrate then reflowed. The reflowed solder is examined with a stereo microscope at 30X magnification. No more than 2 solder balls larger than one fifth the size of the pattern gap is allowed per gap.

10. Packing:

Individual Package		Outer Package	
Unit	Packing	Unit	Packing
500g	Polyethylene bottle	10kg ; 20kg	Cardboard Box
500g	6 oz Catridge	10kg	
800g	Proflow Cassette	8kg ; 16kg	
1500g	18 oz Catridge	15kg	

11. Identification:

	Polyethylene bottle	Cardboard
Name	Almit-Solder-Paste SRC HM1 RMA (Ag2) V16L 9,5%	same as the left
Lot Nr.	(Ex.) 120119-9	dto.
Solder Powder Size	20 - 38 µm	dto.
Date of Mfg.	(Ex.) 19.01.2012	dto.
Net Weight	(Ex.) 500g	dto.
Maker	Nihon Almit Co. Ltd.	dto.

10. Maker Address: Nihon Almit Co. Ltd.
Almit Bldg., 2-14-2 Yayoicho, Nakano-ku, Tokyo, Japan

11. In case of changing this specification it should be accepted by:
Signature_____ Date_____

12. This product is manufactured, using all guaranteed materials according to the legal law regulations.

13. Shelf Life:
Up to
6 month from the manufactured date (lot number).