

Specification

Printed: Revision: (GB) Version:

LFM-31W MHS32 12%

09.07.2012 06.07.2012 2.1

Trade Name: LFM-31W MHS32 12%

1. Company Address: Almit GmbH Ph.: +49 6066 96884-0

Dekan-Groh-Straße 4 Fax: +49 6066 96884-18

(DE) 64720 Michelstadt - near Frankfurt

2. Validity: This specification is specified for:

Almit-Solder-Paste LFM-31W MHS32 12%

Delivered by Almit GmbH to: _____

3. Diameter & Allowance:

Weight	500g	500g	700g	1000g	0
Allowance		•	-0, +10g		

4. Deliverable Reel Size:

Metal Name	Solidus °C	Liquidus °C	Specific Gravity
LFM-31	190	199	7.3

5. Physical Properties:

Test	Characteristics	Test Methods
Metal Content	88.0 ± 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	L0 < 0.0%	IPC-TM-650 2.3.35
Fluorides By Spot Test	pass	IPC-TM-650 2.6.35.1

6. Characterisitcs:

Composition				(Components			
Composition	Sn	Ag	Cu	Pb	Sb	Bi	Au	ln
Standard	Rest	≤0.10	≤0.05	< 0.05	≤0.10	3.0	≤0.05	≤0.10
Composition		Components						
	P	Al	As	Cd	Fe	Ni	Zn	
Standard	≤0.	001	≤0.03	≤0.002	≤0.02	≤0.01	8.0	

7. Solder Powder Size & Distribuon:

% of Sample by Weight - Nominal Size

Туре	not	less than 1%	at least 80%	at most 10%
	larger than	larger than	between	less than
Type 4 (W)	40 Microns	38 Microns	20 - 38 Microns	20 Microns

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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:

	become terms are applied to each for as follows.				
Test No.	Inspection Item	Contents	Stanc	dard	
1	Appearance	Color	Comparison with	Limit Specimen	
2	Weight	Net Weight	-0 ; +10	(g)	
3	Solder Powder Size	20 - 38 μm (W)	94 ≤	(wt%)	
		Sn	Rest	(wt%)	
4	Motal Composition	Bi	3.0 ± 0.2	(wt%)	
4	4 Metal Composition	Zn	8.0 ± 0.5	(wt%)	
			0	(wt%)	
5		Flux Content	12.0 ± 0.5	(wt%)	
6		Solder Balling Test	Comparison with	Limit Specimen	
7	Characteristics	Viscosity (Spiral type, 10rpm, 25°C) (IPC-650-2.4.34.3)	180000 ± 30000 180 ± 30	(cps) (Pa•s)	
8		Solderability on Cu-Plate	Comparison with	Limit Specimen	
9		Dryness	Chalk powder sh removed from eac	•	

^{*}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	
500g	6 oz Catridge	10kg	
700g	Proflow Cassette	7kg ; 14kg	Cardboard Box
1000g	12 oz Catridge	10kg	

11. Identification:

	Polyethylene bottle	Cardboard
Name	Almit-Solder-Paste	same as the left
Nume	LFM-31W MHS32 12%	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

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11.	 In case of changing this specification it should be accepted by: 			
	Signature	Date		
	3 ————			

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

13. Shelf Life:

Up to

3 month from the manufactured date (lot number).