

**Trade Name: BT19 LFM-48 S**

1. **Company Address:** Almit GmbH Ph.: +49 6066 96884-0  
 Dekan-Groh-Straße 4 Fax: +49 6066 96884-18  
 (D) 64720 Michelstadt - near Frankfurt

2. **Validity:** This specification is specified for:  
 Almit-Solder-Wire BT19 LFM-48 S  
 Delivered by Almit GmbH to: \_\_\_\_\_

**3. Diameter & Allowance:**

Diameter (mm)											
0.15	0.2	0.3	0.38	0.5	0.65	0.8	1.0	1.2	1.6	2.0	2.7
± 0.05											

**3.1. Deliverable Reel Size:**

Net Weight per Reel (kg)				
0.05	0.1	0.5	0.8	1.0
+ 0.01 -0.00				

**4. Physical Properties:**

Solidus °C	Liquidus °C	Specific Gravity
217	221	7.4

**5. Characterisitcs:**

Test	Characteristics	Test Methods
Flux Content	3,5% 3.0 ~ 4.0 (%)	IPC-TM-650:2.3.34
Copper Mirror Test	pass	IPC-TM-650:2.3.32
Silver Chromate	pass	IPC-TM-650:2.3.33
Dryness	n.a	JIS-Z-3197:1999
Flux materials composition	RE	J-Std-004:1.2
Quantitative Halide	L1 < 0.5%	IPC-TM-650:2.3.35
Solder spreading	n.a	IPC-TM-650:2.4.46
SIR (85°C, 85%, 168hr) (Ω)	≥ 1 x 10 <sup>9</sup>	IPC-TM-650:2.6.3.3
Corrosion Test	pass	IPC-TM-650:2.6.15

**6. Chemical Composition: (%)**

Composition	Components							
	Sn	Ag	Cu	Pb	Sb	Bi	Au	In
Standard	Rest	3.0±0.2	0.5±0.2	<0.05	≤0.10	≤0.05	≤0.05	≤0.10
Composition	Components							
	Al	As	Cd	Fe	Ni	Zn	Co	
Standard	≤0.001	≤0.03	≤0.002	<0.04	<0.02	≤0.001	<0.02	

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

8. **Identification:**

<b>Reel</b>		<b>Cardboard</b>	
Name	BT19 LFM-48 S	Name	BT19 LFM-48 S
Flux Content	3,5%	Flux Content	3,5%
Diameter	mm	Diameter	mm
Net-Weight	e.g. 500g	Net-Weight	e.g. 5kg
Lot Nr.	e.g. 11.11.25	Lot Nr.	e.g. 11.11.25
Maker	Nihon Almit Co. Ltd.	Maker	Nihon Almit Co. Ltd.

9. **Packing:**

<b>Individual Package</b>		<b>Outer Package</b>
Weight (kg)	Packing	Cardboard
0.05 ; 0.1 ; 1.0	<b>Plastic Bag</b>	
0.5 ; 0.8	<b>Plastic Sheet</b>	

10. **Maker Address:** Nihon Almit Co. Ltd. - Productive Engineering Center  
8154-227, Uenohara, Kitatsuru-gun, Yamanashi, 409-0112 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 two (2) years from the manufactured date (lot number).