

DATE:

TO:

SPECIFICATION

NAME : almit KR-19RA Sn60 P-3

Lot No.	Kind
	almit KR-19RA Sn60 Flux Content P-3 Dia(mm): 0.5, 0.65, 0.8, 1.0, 1.2, 1.6

NIHON ALMIT CO., LTD

Head Office : Almit Bldg., 2-14-2 Yayoicho, Nakano-ku, Tokyo, 164-8666 Japan  
TEL: 03-3379-2277 FAX: 03-3374-2593

Productive : 8154-227, Uenohara, Kitatsuru-gun, Yamanashi, 409-0112 Japan

Engineering Center TEL: 0554-62-2281 FAX: 0554-62-2282

1. Product Name :  
almit KR-19RA Sn60 P-3

2. Scope :

This spec. is specified for almit KR-19RA Sn60 P-3 delivered by Nihon Almit Co., Ltd. to Messrs. \_\_\_\_\_ .

3. Chemical Composition (%) :

Composition	Principal Component		Impurities					
	Sn	Pb	Sb	Cu	Bi	Zn	Fe	Al
Standards	60.5 ±1	Balance	≤0.50	≤0.080	≤0.10	≤0.005	≤0.020	≤0.005
Composition	Impurities							
	As	Cd	Au	Ag	In	Ni	P	S
Standards	≤0.030	≤0.005	≤0.080	≤0.10	≤0.10	≤0.010	≤0.010	≤0.005

4. Physical Properties :

Solidus	Liquidus	Specific Gravity
183°C	190°C	8.5

5. Characteristics :

Items	Characteristics	Test Methods
Flux Content (%)	P-3 (2.7- 3.9)	QQ-S-571F
Chloride Content in Flux	0	By Ionchromat-analyser
Dryness	Pass	QQ-S-571F
Copper Plate Corrosion Test	Pass	JIS Z 3197:1999
Solution Resistance (Ω cm)	> 50,000	QQ-S-571F
Insulation Resistance (Ω)	> 1×10 <sup>8</sup>	QQ-S-571F 85°C85%,168h
Spreadability (%)	> 80	JIS-Z-3197:1999

6. Diameter, Net Weight and Allowance:

Dia (mm)						Net Weight of One Spool (kg)		
0.5	0.65	0.8	1.0	1.2	1.6	0.5	0.8	1.0
±0.05						+0.01 -0		

0.5 φ = 0.5 kg spool, 0.65 φ = 0.8 kg spool, 0.8 - 1.6 φ = 1.0 kg spool

## 7. Lot Size :

500 kgs (amount of single melting)

## 8. Packing :

Individual Package		Outer Package	
Unit	Packing	Unit	Packing
0.5, 0.8, 1 kg	Plastic Bag	5, 8, 10 kg	Cardboard

## 9. Identification :

Spool		Cardboard	
Name	almit KR-19RA	Name	almit KR-19RA
Sn Content	Sn60	Sn Content	Sn60
Flux Content	P-3	Flux Content	P-3
Diameter	mm	Diameter	$\phi$
Net Weight	Ex. 1 kg	Net Weight	Ex. 10 kg
Lot No.	Ex. 01.5.-1	Lot No.	Ex. 01.5.-1
Maker	Nihon Almit Co., Ltd.	Maker	Nihon Almit Co., Ltd.

## 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 spec., it must be accepted by \_\_\_\_\_ .

12. This product is manufactured, using all guaranteed materials according to the "LAW ON INSPECTION AND MANUFACTURING OF CHEMICAL SUBSTANCES".

## 13. Shelf Life :

Up to one (1) year from the manufactured date (lot number).