

Solder Bar Comparison

SI100C

SN100C

SI100C by Interflux is being used in thousands of wave soldering machines around the world and has proved its reliability in products exposed to the most severe service environments.

- The trace addition of Ni means fewer shorts and no shrinkage defects
- Ni-stabilized inter-metallic layer inhibits copper erosion
- Reliable in harsh environments
- High ductility ensure long service life of joints subjected to cyclic strain
- Formulated for minimal generation of dross

The lead-free solder **SI100C** is an alloy of tin, copper, nickel and germanium. Its unique properties make it possible to achieve high productivity in soldering processes to produce cost effectively reliable joints.

Special features include high fluidity, low copper erosion, low-drossing, superior wetting and freedom from shrinkage defects. The number of companies using **SI100C** has grown dramatically since its first application in 1999 in the soldering of VCR boards.

Chemical Analysis Findings



* Based on analysis conducted by USL Pty Ltd on 12/03/2020. Copies of the analysis reports are attached.



UNIVERSAL SCIENTIFIC LABORATORY PTY LTD

ABN 76 093 281 764

UNIT 12, 65 MARIGOLD STREET, REVESBY NSW 2212, AUSTRALIA
PO BOX 49, MILPERRA NSW 2214, AUSTRALIA
TELEPHONE: +61(2) 9771 5592 • FACSIMILE: +61(2) 9771 2482
EMAIL: info@usl.com.au WEBSITE: www.usl.com.au

ANALYSIS REPORT

ORIGIN: ORITECH ELECTRONIC INDUSTRY SUPPLIERS

DESCRIPTION: Sample of Solder "SN100C"

ORDER NO: 456253

ALLOY CODE SN100C.

COLOUR CODE

REPORT NO: 20/1323

REPORT DATE 12 /03/20

LOG BOOK NO: 200110

HEAT NO:

Sample No.

UNITS W/W %

	Fe	Cu	Pb	Ni	Zn	Sn	Bi	Cd	Ag	Sb	As	Al
#1	.008	.68	.03	.05	<.001	Rem.	.01	<.001	.007	.01	<.01	<.001

SPECIFICATION LIMITS

MAX:	.020	.70	.050	.06	.002		.030	.002	.050	.050	.030	.002
MIN:		.60		.04								

ANALYTICAL TECHNIQUE(S)

Method	M100	M100	M100	M100	M100		M100	M100	M100	M100	M100	M100
MU												

MU= Measurement Uncertainty

REMARKS:

This analysis was performed at: 12, 65 Marigold St., Revesby

To the best knowledge of the company the results on this report are correct. however no legal responsibility will be accepted for or arising from their use. Samples were tested as received unless stated otherwise. The report shall not be reproduced unless in full. Measurement uncertainty data are available on request.



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NATA accredited laboratory No. 492
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WILLIAM TING
AUTHORISING OFFICER



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ANALYSIS REPORT

ORIGIN: ORITECH ELECTRONIC INDUSTRY SUPPLIERS

DESCRIPTION: Sample of Solder "SI100C"

ORDER NO: 456253

ALLOY CODE SN100C.

COLOUR CODE

REPORT NO: 20/1324

REPORT DATE 12 /03/20

LOG BOOK NO: 200110

HEAT NO:

Sample No.

UNITS W/W %

	Fe	Cu	Pb	Ni	Zn	Sn	Bi	Cd	Ag	Sb	As	Al
#2	.002	.51	.03	.05	<.001	Rem.	.01	<.001	.009	.03	<.01	<.001

SPECIFICATION LIMITS

MAX:	.020	.70	.050	.06	.002		.030	.002	.050	.050	.030	.002
MIN:		.60		.04								

ANALYTICAL TECHNIQUE(S)

Method	M100	M100	M100	M100	M100		M100	M100	M100	M100	M100	M100
MU												

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