



## Lead-free soldering alloys

### Description:

The Interflux<sup>®</sup> **lead-free alloys** are high purity soldering alloys.

solder stones. Please consult the SDS for more info on the composition.

They correspond to the following specifications:

- J-STD-006C
- NEN-EN ISO 61190-1-3:2017

(\* ) Excepted from these norms

Levels according these Industry standards are given in the table below.

An example of quality control analysis levels of a SAC305 production batch are given in **green**.

We always refer to the most strict impurity percentage.

Sn99Q is an alloy intended for rework of LMPA-Q solder joints in form of a solder wire. It is also available as an alloy in



Products pictured may differ from the product delivered



### Abbreviations

- SAC305 = Sn96,5Ag3Cu0,5
- SAC387 = Sn95,5Ag3,8Cu0,7
- SAC0307 = Sn99Ag0,3Cu0,7
- SAC0807 = 98,5Ag0,8Cu0,7
- SA30 = Sn97Ag3
- SnCu = Sn99,3Cu0,7
- Sn100 = 100% Sn
- SnCu0,2 = Sn99,8Cu0,2
- SnSb5 = Sn95Sb5

## Composition

### Levels in % according Industry standards

Element	Symbol	SAC305	SAC305	SAC387	SAC0307	SAC0807	SA30	SnCu	Sn100	SnCu0,2*	SnSb5
Tin	Sn	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest
Silver	Ag	2,8-3,2	3,0024	3,6-4,0	0,2-0,4	0,7-0,9	2,8-3,2	<0,1	-	<0,1	<0,1
Lead	Pb	<0,07	0,0026	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07	<0,07
Copper	Cu	0,4-0,6	0,4829	0,6-0,8	0,6-0,8	0,6-0,8	<0,05	0,6-0,8	-	0,1-0,3	<0,05
Antimony	Sb	<0,2	0,0101	<0,2	<0,2	<0,2	<0,2	<0,2	<0,2	<0,2	4-6
Cadmium	Cd	<0,002	0,00020	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002	<0,002
Bismuth	Bi	<0,10	0,00046	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10	<0,10
Arsenic	As	<0,03	<0,0025	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03	<0,03
Iron	Fe	<0,02	0,0013	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02	<0,02
Aluminum	Al	<0,001	<0,00010	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001
Nickel	Ni	<0,01	0,00046	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01	<0,01
Zinc	Zn	<0,001	0,00011	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001	<0,001



## Safety

Please always consult the safety datasheet of the product.

## Availability

+/- 300g bars in 20 and 25kg box

Pellets +/-  $\varnothing$ 5mmx20mm or  $\varnothing$ 6mmx20mm in 2kg jar

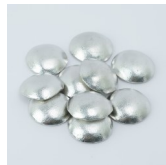
1,5mm, 2mm, 3 mm plain wire on 500g, 1kg and 4kg spools

In the alloys mentioned above.

The availability of all combinations is not guaranteed.

Other types on request.

Sn99Q is only available as solder stones of +/-  $\varnothing$  37mm x 15mm in a 2,5kg jar.



Trade name: Interflux<sup>®</sup> solder alloys lead-free

### Disclaimer

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