Unit 30 | Fern Close | Pen-Y-Fan Ind Est | Oakdale | Gwent | NP11 3EH | UK
Tel: +44 (0) 1495 236260 wales@nsf.org | www.nsf.org

TEST REPORT

Customer: C0897380

Solder Connection
Solder Connection Unit 5, Severn Link
Distribution Centre, M48, Chepstow,
Newport, NP16 6UN
United Kingdom

Facility: C0897381

Solder Connection
Solder Connection Unit 5, Severn Link
Distribution Centre, M48, Chepstow,
Newport, NP16 6UN
United Kingdom

Result	Audit testing was carried out on this material in accordance with the letter from WRAS dated 08/01/2026. Previous approval number 2101538. This product has satisfied the relevant clauses set out in BS 6920: Part 1: 2014 "Specification" for the tests detailed in this report.
Customer Name	Solder Connection
Product	Fluxrite soldering flux
Test Undertaken	BS 6920: 2014 - Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water
Job Number	J-00558881
Work Order Number	W1055509

Thank you for having your product tested by NSF Wales Ltd.

Please contact your Account Manager if you have any questions or concerns pertaining to this report.

Report Date 05-NOV-2026

Report Authorisation

Karolina Chrabaszczewska - Manager Analytical Testing

UKAS TESTING
0626

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Result Summary Section

Test	Result
Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 23°C	Pass
Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 85°C	Pass
Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 23°C	Pass
Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 85°C	Pass
Extraction of Metals BS 6920: Part 1: 2014, Clause 8 - 85°C	Pass

Sample Details

Date of Receipt of Application Form	16/FEBRUARY/2026
Date of Receipt of Product for Test	05/MARCH/2026
Front Cover Test Description	Audit testing was carried out on this material in accordance with the letter from WRAS dated 08/01/2026. Previous approval number 2101538.
Product *	Fluxrite soldering flux
Nature of Material *	Soldering flux
Hot Water Temperature	85 °C
Date Test Sample Manufactured *	02/JULY/2025
Batch Number *	72900Q
Receipt Conditions	Good Condition
Receipt Packaging	METAL CAN
Product Manufacturer *	Solder Connection Ltd
Product Manufacturing Site *	Monmouthshire, UK
Tradename and Reference of Product *	Fluxrite
Method of Manufacture *	Shear mixer
Typical Use of the Product *	Soldering flux for copper joints
Nature of Product *	Paste
Sampling Procedure *	Taken from production
Address of Product Manufacturer *	Unit 5, Severn Link Distribution Centre, M48, Chepstow, Monmouthshire, NP16 6UN
Submitting Organization *	Solder Connection Ltd

* denotes customer supplied information

Sample Preparation

Description/Appearance of the product	Brown, opaque solder flux
Calibration mark of test container	1 L
Test sample preparation	The solder flux was prepared in accordance with BS 6920: Part 2: Section 2.1: Clause 7.5.
Storage Conditions	As in BS 6920: Part 2: Section 2.1: Clause 5.2

Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 23°C

Methodology: BS 6920: Part 2: Section 2.2 and in-house method PROC/MAT 004 and 006.

Date Leaching Test Started: 3-JUN-2026

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	None	1

First Extract - Chlorine Free Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	None	1

Sample Notes:

Date leaching finished: 04/06/26, Date of analysis: 04/06/26

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 4.

Odour and flavour of water BS 6920: Part 1: 2014, Clause 4 - 85°C

Methodology: BS 6920: Part 2: Section 2.2 and in-house method PROC/MAT 004 and 006.

Date Leaching Test Started: 18-MAY-2026

First Extract - Chlorinated Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	Sweet	None	1

First Extract - Chlorine Free Test Water

Panellist	Odour Descriptor	Flavour Descriptor	Flavour Dilution Number
1	None	None	1
2	None	None	1
3	None	None	1

Sample Notes:

Date leaching finished: 19/05/26, Date of analysis: 19/05/26

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 4.

Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 23°C

Methodology: BS 6920: Part 2: Section 2.5 and in-house methods PROC/MAT 004 and PROC/MIC 004.

Date Leaching Test Started: 26-MAY-2026

Cell concentration used: 5×10^{5}

Cell morphology: Confluent growth of elongated cells, some round cells and cell debris. Media orange/pink in colour.

Sample/Control	Cell Morphology	Response
Test Sample	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Blank	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Negative Control	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Positive Control	All cells rounded and mainly still in suspension. Media pink in colour.	Cytotoxic

Sample Notes:

Date leaching finished: 27/05/26, Date of analysis: 28/05/26

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 7.

Extraction of substances that may be of concern to public health BS 6920: Part 1: 2014, Clause 7 - 85°C

Methodology: BS 6920: Part 2: Section 2.5 and in-house methods PROC/MAT 004 and PROC/MIC 004.

Date Leaching Test Started: 12-MAY-2026

Cell concentration used: 5×10^{5}

Cell morphology: Confluent growth of elongated cells, some round cells and cell debris. Media orange/pink in colour.

Sample/Control	Cell Morphology	Response
Test Sample	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Blank	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Negative Control	Confluent growth of elongated cells, some round cells and cell debris. Media pink in colour.	Non-Cytotoxic
Positive Control	All cells rounded and mainly still in suspension. Media pink in colour.	Cytotoxic

Sample Notes:

Date leaching finished: 13/05/26, Date of analysis: 14/05/26

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 7.

Extraction of Metals BS 6920: Part 1: 2014, Clause 8 - 85°C

Methodology: BS 6920: Part 2: Section 2.6 and in-house methods PROC/MAT 006 (leachate preparation) and PROC/ING 003 (ICPMS analysis).

Date Leaching Tests Started: 5-OCT-2026

First Extract

Metal (µg/L)	MAC (µg/L)	LOD (µg/L)	Blank (µg/L)	Sample 1 (µg/L)	Sample 2 (µg/L)
Aluminium	200	20	<20	<20	<20
Antimony	5	0.5	<0.5	<0.5	<0.5
Arsenic	10	1	<1	<1	<1
Boron	1000	100	112	<100	<100
Cadmium	5	0.5	<0.5	<0.5	<0.5
Chromium	50	5	<5	<5	<5
Iron	200	20	<20	<20	<20
Lead	10	1	<1	<1	2.57
Manganese	50	5	<5	<5	<5
Mercury	1	0.1	<0.1	<0.1	<0.1
Nickel	20	2	<2	<2	<2
Selenium	10	1	<1	<1	<1

Analytical Method - ICPMS Inductively Coupled Plasma Mass Spectrometry
MAC - Maximum admissible concentration
LOD - Required limit of detection

Sample Notes:

Date leaching finished: 06/10/26, Date of analysis: 06/10/26 Investigation conducted as leachate blank contains Boron above the reporting limit, REF: INT26-L-20. The sample results are considered valid and suitable to be reported.

On the basis of these results the samples of this product referred to in this report have been found to conform to the requirements of BS 6920: Part 1: 2014, Clause 8.

<< *Testing Laboratories* >>

	Flag	Id	Address
All work performed at: (Unless otherwise specified)	→	NSF_WALES	NSF Wales Ltd. NSF Wales Ltd Unit 30 Fern Close Pen-Y-Fan Industrial Estate Oakdale, Newport NP11 3EH, UK

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