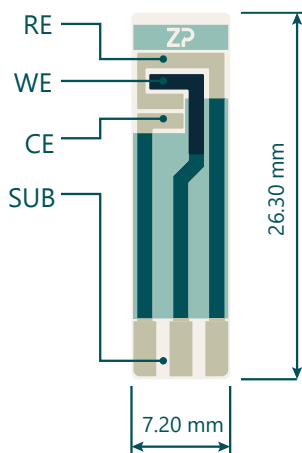


CHILLI SENSOR



Sensor

REFERENCE ELECTRODE (RE)

Silver/Silver Chloride

WORKING ELECTRODE (WE)

Carbon with analyte selective coating

COUNTER ELECTRODE (CE)

Silver/Silver Chloride

SUBSTRATE (SUB)

PET

Dimensions

Length	26.30 ± 0.10 mm
Width	7.20 ± 0.10 mm
Substrate thickness	0.30 ± 0.02 mm
Thickness with print	0.35 ± 0.02 mm
Weight	0.085 ± 0.001 g

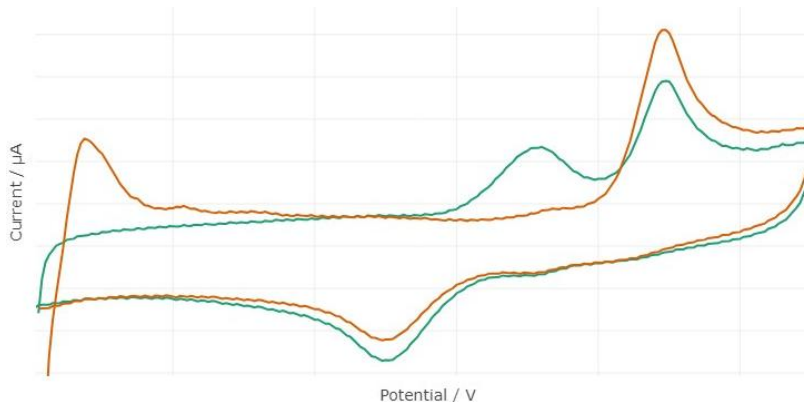
General description

Sensor Name:	Chilli sensor
Sensor Product Code:	ZPS CHI-000-00219
Revision number:	ZPS CHI-003-00219 v0.1

Production description

Chilli sensors suitable for disposable applications of measuring the capsaicin concentration of chilli samples dissolved in ZP Chilli buffer (ZPCH 100-000-00547).

Performance



For optimal results, use the sensor with the ZP FoodSense Gen 4 device and ZP on-cloud system, Djuli., Expect around 8 RSD% variability due to sensor and system factors, with additional variation from samples and preparation. Powder samples tested 14 days post-extraction showed up to 9.4 RSD% deviation. Each sample's unique properties may impact precision.



Components and hazards

Ingredients to be disclosed according to regulations:

Component (CAS nr.)	Hazards classification	Weight percent [%]
Silver (7440-22-4)	H400, H410	1-6 %
Silver Chloride (7783-90-6)	H400, H410	1-6 %

Take caution when handling these sensors, as there might be sharp parts and hazardous chemicals. Use personal protective equipment. Handle with gloves.

Storage

Recommended storage temperature 2-25°C, 20-50% RH. Keep dark, protect from exposure to UV-light. Keep sensor container tightly closed in a dry and well-ventilated place. Proper storage of sensors requires the sensing area to be facing upwards, free from any contact or interference. Recommended shelf life of 1 year.

Disclaimer

This product is for research and development applications only. This product is not suitable for drug, food or household applications. Product is not tested for biocompatibility and ZP takes no responsibility for in-vivo usage. It is intended to be used in aqueous systems. Please contact ZP for discussing your intended application.

Take caution when handling the sensors, as there might be sharp parts and chemical hazards. Use personal protective equipment.

Developer note

Zimmer and Peacock can also make customized sensors with the option to target other analytes than those listed in respective datasheet. We can offer different electrode configurations, geometry, and materials. Sensors are also available as micro well and microfluidic cavity formats. Please contact us through the contact form on www.zimmerpeacock.com or by e-mail on sales@zimmerpeacock.com for questions regarding customized sensors.