

# Reduce waste and save money on your processed potatoes

*Experience. Transformation.*



**SunChemical®**

a member of the DIC group



Color & Comfort



## Biosensors - For Processed Potatoes

SunChemical offers a portfolio of biosensors, aimed towards the agricultural market. The biosensors are designed to work with the SunChemical Potentiostat and the appropriate android application. The android application is supplied on a preloaded tablet. Each biosensor works with its own unique application.

### Potentiostat & Application features

- Step-by-step on-screen guidance
- Bluetooth connectivity between tablet and potentiostat, making the device portable and easy to handle
- Data storage of tests, including a date-stamp and personalised sample labelling, onto the tablet. Easily transferred to a PC
- Self-sensor calibration carried out with QR-code scanning. Avoiding the user carrying out calibrations and saving time
- Progress bar, showing the overall status of the measurement
- The software can be modified to display the data in the units desired by the user (modification of software carried out by SunChemical)
- The application converts the concentration to percentage, adjusting accordingly with the dry matter percentage (manual input by the user, an assumption of 20% dry matter is also an option)



Product Code	Analyte	Detection Range *	Application
BIO-GLU-A1	Glucose	0.010mM – 0.600mM	Processed potato
BIO-SUC-A1	Sucrose	0.010mM – 0.600mM	Processed potato
BIO-FRU-A1	Fructose	0.010mM – 0.800mM	Processed potato

\* Each sensor has a detection range. Higher concentrations can be measured using a dilution step (software adjusts the end value according to the dilution factor).



Testing equipment may vary from image.



# Experience. *Transformation.*

## A partner who transforms with you.

Today's environment requires more than change. It demands transformation — and a partner who's willing to transform with you. Sun Chemical, a member of the DIC group, is a leading producer of packaging and graphic solutions, color and display technologies, functional products, electronic materials, and products for the automotive and healthcare industries. Together with DIC, Sun Chemical is continuously working to promote and develop sustainable solutions to exceed customer expectations and better the world around us. With combined annual sales of more than \$8.5 billion and 22,000+ employees worldwide, the DIC Group companies support a diverse collection of global customers. As you move forward into a world of stiffer competition, faster turnarounds, more complex demands and sustainable products, count on Sun Chemical to be your partner.

Although the information presented here is believed to be reliable, Sun Chemical Corporation makes no representation or guarantee to its accuracy, completeness or reliability of the information. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical Corporation be liable for damages of any nature arising out of the use or reliance upon the information. Sun Chemical Corporation expressly disclaims that the use of any material referenced herein, either alone or in combination with other materials, shall be free of rightful claim of any third party including a claim of infringement. The observance of all legal regulations and patents is the responsibility of the user.

SUNCHEMICAL is either a registered trademark or trademark of Sun Chemical Corporation, registered in the United States of America and/or other countries. DIC is a trademark of DIC Corporation, registered in the United States of America and/or other countries and used with permission. Copyright © 2023 Sun Chemical Corporation. All rights reserved.