

Product Testing Research Opportunities Archive

2023

To research meringue stabilisers for existing fluffy pancakes recipes

User testing of an app-based platform for the creative, tech, arts and media industry

Testing of a heat pump within a controlled environment subject to a range of variable simulated environmental conditions

Acoustic testing of studio doors to ascertain DB rating and inform product specification and future product development

Microbiological testing of a matte paint product on its properties and resistance to mould

Acoustic testing of sound insulation of a new barrier system consisting of a 100% recycled plastic privacy fence

2022

Large-scale chemical and data analysis to seek Environmental Agency approval of road sweeping waste reclaimed soil

The creation and testing of an autoimmune protocol diet friendly, gluten free, nut free, dairy free and vegan popped cereal

High density electromyography (HDEMG) as a tool for assessing regional muscle activation levels in varying cycling intensities

Testing of anti-bacterial fabric

Design and evaluation of testing and protocol support to inform design of a new device for use as part of end of life care

Acoustic and structural testing of double-glazed internal glass partitioning system

Testing of a range of office screen products to establish their acoustic performance in a range of settings; results to inform product development

Measurement and comparison of air flow through heat exchanger in order to assess impact of cleaning and de contamination within exchanger core

Analysis of data from pilot trial of wellbeing app in secondary schools

User testing for Web3 cognitive identity platform



Sample production and testing of knitted bamboo viscose/elastane blend fabric for activewear

To research meringue stabilisers for existing fluffy pancakes recipes

Assembly and consolidation of carbon nano fibres, oblique nano tubes (CNTs) and testing of final mechanical properties

2021

SME seeks university partner to implement and test their innovative, automated ventilation management system, which uses sensed atmospheric data captured in real-time to open and close the in-flow of outside air so that the quality of indoor air is optimised in terms of temperature and humidity and pollution reduction

Testing project to determine the efficiency with which Hyvert units improve air quality, filter out contaminants and sequester carbon in indoor settings

Product testing of a UV germicidal lamp to prove its efficacy and effectiveness

Assessment of display fabrics: testing of acoustic transparency in printed and unprinted form using UV, latex and dye-sub print technologies

Smart home automation: automated disposal of soiled nappy and cleaning of infant or un-able user

Thermal testing and quantifying of heat losses and cost savings by utilising company's energy saving industrial door system

The testing of a class 1 medical device (an isolation and transportation system) to define the use case parameters

Conducting a maceration test for wet wipes and providing feedback on the wipes

Acoustic testing of security / fire resisting rolling shutter door sets

Kombucha nutritional and alcohol level lab testing

Test the performance and further develop the Air Bar technology enabling the company to validate their claims around the performance of the product

Flood defence systems (portable and static) made from recycled plastics: materials specification and testing

Proof of concept development for an in-line gas flow sensor device

identification of energy savings to be made when comparing the running costs of standard swimming pools with those built using lightweight thermally insulating modular construction panels

Acoustic testing project of new double glazed internal glass partitioning system

Evaluating and demonstrating the social impact of an innovative digital education software product for pupils and teaching staff

Design and evaluation of testing and protocol support to inform design of 'EMA', Emanate The Comfort Stone, a new product for use as part of end of life care

Evaluating and demonstrating the social impact of an innovative learning resource to help primary school pupils aged 4-6 years improve their phonics, and to support teaching staff



Evaluating and demonstrating the social impact of an innovative learning resource to help pupils improve their spellings, and to support teaching staff

Acoustic testing of cleanroom steel door sets for use in cleanroom environment and other applications

Test the effects on a new dental material when subjected to different scenarios including heat and humidity testing

2020

To conduct technical research, and utilise the institution's design and engineering expertise, to further develop and test the interlocking mechanism that connects individual components in a modular, 'Poly-mod' hydropower system

To undertake an assessment of display fabrics, testing of acoustic transparency in printed and unprinted form using UV, latex and dye-sub print technologies

Nutritional and shelf life testing for a new and innovative convenience beverage

Innovative content strategy and user acceptance (beta) testing to help launch local social app, drive user propagation and reduce product failure risk via customer validation

Laboratory testing to establish the efficacy of probiotic cleaning products in controlling and reducing the presence of pathogens and other contaminants (e.g. allergens) on surfaces and in the atmosphere

Bio-based content testing/certification facility sought to prove carbon negative level of novel green polyethylene (PE) material.

User acceptance (beta) testing to reduce product failure via customer validation

User testing and content creation (psychology/neuroscience) of the platform

Testing of a silicone-based compound to assess surface resistance to COVID-19 versus other established materials

Clinical evaluation and analysis of a medical device (an isolation and transportation system)

Testing the power performance of an innovative, roof-mounted wind turbine design for different blade configurations and wind speeds

Testing of cleaning solution for effectiveness of killing microbiological agents

Product testing of a vehicle tyre sealant to investigate the potential fuel savings and reduction in CO2 emissions

Use of UV light for sterilisation to help prevent the spread of COVID-19

Clinical trial testing of a 100% natural, pain relief cream

To provide chemical research support for aspects of the client's basic research and technology portfolio.

Testing on two-part dental putty to identify optimum storage, mixing and setting times

University partner to implement and test innovative, automated ventilation management system, which uses sensed atmospheric data captured in real-time to open and close the in-flow of outside air, so that the quality of indoor air is optimised in terms of temperature and humidity and pollution reduction



Testing and evaluation of a mobile platform (Greater Moments) to support people with dementia and those around them

Validation of artificial intelligence to rapidly identify anomalies in data

2019

Product testing to reduce the impact of exposure to the skin and reduce carcinogens

Testing of phase switch system

UEX testing of an online career pathway

Testing and validation of a retrofit service aimed at reducing the carbon footprint of domestic properties

Clinical testing of a visual wellbeing service aimed at dementia sufferers

Research into the potential user experience of an MVP prototype and its potential for further development into a digital device or wearable tech.

User group testing required

Acoustic performance testing

Formulation and stability testing of liquid API (active pharmaceutical ingredient)

Capacity for growth usability review

Acoustic testing of EW120 fire resisting rolling shutter door

Acoustic testing and classification of standard and non-standard products (carpets and underlay)

