



1. PRODUCT DESCRIPTION

Background Manufactured by Arandee Ltd. Drawing on 40 years of public health experience. MAC Arandell Hand Sanitiser is the latest addition to the MAC Arandell Sanitising range used by government departments and industry throughout New Zealand.

Product MAC Arandell Hand Sanitiser is a safe and compliant hospital grade alcohol-based hand rub (ABHR). Clinically tested, provides log5 reduction in germs (99.999% efficacy); meets BS EN1327-2012+A2:2015 chemical disinfectant and antiseptic for use in the medical area.

Operating in an era of improved safety and focus on personal hygiene and protection in the workplace, more and more organisations require their personnel to regularly apply an approved hand sanitiser.

Following thorough review of published research papers Arandee, in conjunction with its laboratory partner, concluded manufacture of an ABHR formulation was preferable to either a gel or foaming formulation. Laboratory studies have found that ABHR liquid preparations are generally more effective, at equivalent concentration of alcohol, than other formats. Liquid preparations have been shown to reduce bacterial counts on hands to a significantly greater extent than tested alcohol-based gels¹.

In practice, the percentage of alcohol (optimum 60-80%) and the contact time for disinfection (30 seconds) are the critical elements of efficacy.

Remember: ***It's working while it's wet.***

Formulated with 70%v/v ethanol and skin conditioning agents MAC Arandell Hand Sanitiser ABHR is ideally suited repetitive application in most professional and healthcare settings.

2. FEATURES & BENEFITS

Compliant	Carries a high degree of compliance (see below)
Additives	Fragrance, colour and triclosan free
Large Format	Packed in large format high efficiency formats means less stock and less waste
Non-Staining	Won't stain, no tacky residue
Fast Drying	Air dries quickly
Active Constituents	70% v/v ethanol
Efficacious	Concentration tested at least 99.9999% effective against common germs
Method of Action	Ethanol denatures the proteins and dissolves the lipids in the cell wall of micro-organisms, this allows the ethanol to enter the cell and lyse it (break down the cell membrane) by osmotic pressure



3. APPLICATION & DISPENSING METHODOLOGY

Hands	Dispense metered amount onto palm. Rub into hands until completely dry (30 seconds). Pay particular attention to underside of fingernails and cuticles
Versatile	Suitable for use in wall mounted dispenser units, from the dripulator or via the atomiser

4. TREATMENT FREQUENCY

Frequency	Apply regularly as per organisational standards and procedures.
------------------	---

5. GOVERNMENT APPROVALS

Ministry of Primary Industries	➤ C54 (all animal products including dairy)
AssureQuality	➤ Passed food/beverage/dairy outside food areas. H3288 with conditions

6. PROPERTIES & CHARACTERISTICS

PHYSICAL PROPERTIES

Appearance	Colourless liquid
Odour	Fragrant odour
Solubility	Completely soluble in water
Storage	Below 30°C
Reactivity	Incompatible with oxidising agents, heat and sources of ignition
pH	5.0-7.0
Specific Gravity	0.85

PERFORMANCE CHARACTERISTICS

Touch Dry	30 seconds
Treatment	Reapply as required
Stand Down	None

7. PACKAGE DESCRIPTION

Bulk	210L DG plastic drum with bung 5L DG plastic Jerry can
Packs	500ml PET bottle with flip top lid and dripulator 150ml PET bottle with atomiser



ARANHS210B



ARANDHS5B



ARAHS500P



ARANHS150P

8. SPECIAL PRECAUTIONS

Flammable	Class 3 Extremely flammable liquid and vapour. Keep away from naked flame, electrical appliances and sources of ignition. No smoking. Store in a cool, well-ventilated area. Do not eat drink or smoke while using this product. Keep out of reach of children. Dispose of empty containers at a local recycling plant.
------------------	---

ⁱ World Alliance for Patient Survey. (2009). WHO Guideline on Hand hygiene in HealthCare, World Health Organization, Geneva

Widmer, A.F., Rotter M., Voss, A., et al. (2010) Surgical hand preparation: state of the art. Journal of Hospital Infection 74, 2: 112-22