

SEPAWA Nordic Conference, Malmö

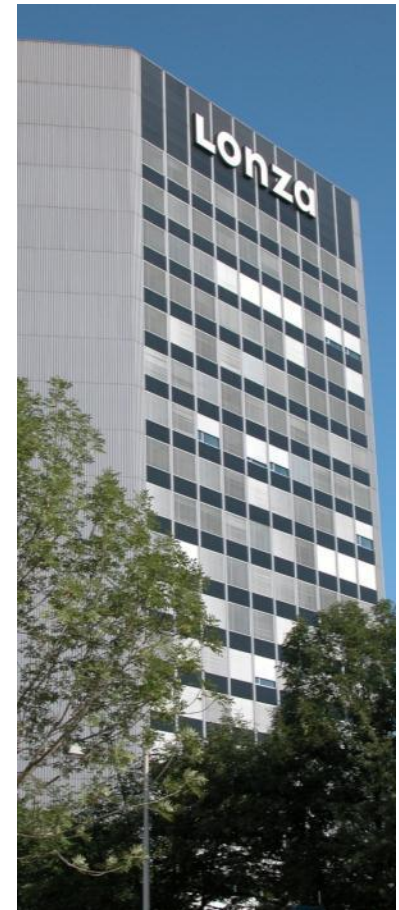
Lonza

**Lonzagard™ formulations –
Solutions to pass BPR challenges**

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Lonza Overview

- Life sciences driven company
- Headquartered in Basel (Switzerland)
- Sales of CHF 3.925 billion in 2012
- Global operations:
 - 45 major sites
 - Employs over 10,000 people
- Global leader in microbial control and custom manufacturing:
 - Hygiene
 - Water treatment
 - Active pharmaceutical ingredients both chemical and biological
 - Cell therapy
- Leading positions in product market niches:
 - Endotoxin detection
 - Cell-based research products
 - Nutrition ingredients
 - Performance intermediates



Hygiene & Preservation Solutions

■ Healthcare

- Hospitals and Clinics
- Extended care facilities
- Pharmaceutical product ingredients

■ Food Safety

- Processing plants
- Retail stores
- Storage areas
- Food service
- Transportation

■ Household/Consumer

- Kitchen surfaces,
- Bathroom fixtures
- Recreational equipment

■ Animal Care

- Veterinary services
- Animal science
- Kennels
- Pet shops



Hygiene & Preservation Solutions

■ Agriculture

- Animal premises
- Transportation

■ Professional Services

- Dental offices
- Medical / doctor offices
- Tanning salons
- Beauty salons and barber shops
- Health spa

■ Institutional/Commercial

- Transportation services
- Educational facilities
- Office buildings
- Hospitality
- Contract maintenance services

■ Industrial

- Manufacturing facilities
- Pharmaceutical manufacturing companies



Lonzagard™ DR-19aB

General Purpose Disinfectant Cleaner

<u>Function</u>	<u>Ingredient</u>	<u>%</u>
Biocide	Bardac™ 22	9.0
Surfactant, Builder, complexing agent, solvent		91.0



▪ Customer Benefits / Value Proposition

- Lonzagard™ DR-19aB provides cleaning and disinfection all in a convenient concentrated formula, for easy dilution. Clean and disinfect in a single, time-saving step. Typical use in Commercial and institutional (including restaurants, schools etc.)
- Not classified as corrosive according to 67/548/EEC and 1999/45/EEC

▪ Efficacy

- Bactericidal efficacy (EN 1276, EN 13697)
- Yeasticidal efficacy (EN 1650)
- Virucidal against Influenza viruses (H1N1, H3N8, H5N1), Hepatitis B



Lonzagard™ DR-25aN

Disinfectant Cleaner with Broad Spectrum Activity

<u>Function</u>	<u>Ingredient</u>	<u>%</u>
Biocide	Bardac™ 2270	9.9
Surfactant, Builder, complexing agent, solvent		90.1



▪ Customer Benefits / Value Proposition

- Lonzagard™ DR-25aN provides cleaning and disinfection all in a convenient concentrated formula, for easy dilution. Clean and disinfect in a single, time-saving step. Aldehyde free. Main use in hospitals, veterinary and dental surgeries.

▪ Efficacy

- High disinfectant performance against non-enveloped viruses (incl. **Polio virus**, Adeno virus and **Noro virus**), enveloped viruses (incl. **Influenza viruses**), fungi (incl. **Aspergillus niger**) and bacteria (incl. **Clostridium difficile**), approved efficacy against MRSA, recommended use concentration according EN 13697 2.5% (5 Min)



Lonzagard™ DR-LS-13N

Disinfectant Cleaner providing Excellent Protection

<u>Function</u>	<u>Ingredient</u>	<u>%</u>
Biocide	Lonzabac™ 12.30	25.0
Surfactants, complexing agent, solvent		75.0



▪ Customer Benefits / Value Proposition

- Free from Quats, VOCs, alcohol and chlorine
- Lonzagard™ DR-LS-13N provides cleaning and disinfection all in a convenient concentrated formula, for easy dilution. Clean and disinfect in a single, time-saving step.

▪ Efficacy

- Bactericidal efficacy, including Salmonella, Tuberculocidal and MRSA
- Yeasticidal efficacy (EN 1650)
- Virucidal against non-enveloped viruses (Vaccinia virus, BVDV)



Lonzagard™ DM 114-10

Mild and Powerful Surface Disinfectant

<u>Function</u>	<u>Ingredient</u>	<u>%</u>
Biocide	Bardac™ 114	20.0
Solvent		80.0



▪ Customer Benefits / Value Proposition

- Lonzagard™ DM 114-10 provides disinfection all in a convenient concentrated water based formula, for easy dilution, excellent compatibility with **acrylic glass** and approved efficacy against bacteria and viruses in 1 Minute
- Not classified as corrosive according to 67/548/EEC and 1999/45/EEC
- Use Areas: Institutional (schools, office buildings, solarium, long term care institutes, sun beds and fitness facilities)

▪ Efficacy

- Bactericidal efficacy (EN 1276, EN 13697)
- Yeasticidal efficacy (EN 13697)
- Virucidal against Influenza virus, Hepatitis B / C, HIV, Rota virus, **Noro virus**



Portfolio of Lonzagard™ Products supported under BPR



	Healthcare	Processing plants (e.g. food, pharma)	Commercial and institutional (e.g. restaurants, gyms)
DR-19aB		X	X
DR-25aN	X	X	
DR-LS-13N	X	X	X
DM 114-10		X	X
In progress...	X	X	X

