

**New: ProCare Lab**

Process chemicals for the perfect reprocessing of laboratory glassware and equipment



# Quality from Miele Professional: Process chemicals for the perfect reprocessing of laboratory glassware and equipment



Miele Professional have designed a comprehensive and systematic approach to the thorough and effective reprocessing of laboratory glassware and utensils. With Miele process chemicals working in harmony with the specially tailored program cycles, critical factors in cleaning and disinfection are achieved. Geared meticulously to the requirements of individual programme phases, specially formulated detergents and neutralising agents guarantee thorough, fast and gentle process cycles. Designed to dispense low dosing quantities, assuring cost efficiency.

ProCare Lab process chemicals - the new contenders – are ideally suited to a multitude of applications, ensuring the trace-free removal of a wide range of soils in lab washers. At the same time, the process takes extreme care of loads. That is why Miele Professional is recommended by leading manufacturers of laboratory glassware.

The new ProCare Lab process chemicals have undergone stringent and wide-ranging laboratory tests during development in order to ensure a perfect match with Miele Professional's high-performance lab washers. Consequently, users will benefit not only from immaculate reprocessing, but the equipment will also maintain its value and cost efficiency from the fast, efficient cycle times.

A broad range of powder and liquid detergents is available, enabling top quality cleaning for even the most challenging applications. The packaging of the various products is colour-coded; detergents are blue and the Acid neutralisers are red, minimising any PH cross over. Even in the hustle and bustle of laboratory life, fast, reliable and economic reprocessing is guaranteed.



- **ProCare Lab 11 MA**
- Mildly alkaline detergent
- Powder
- Packaging unit: 10 kg



- **ProCare Lab 11 AP**
- Alkaline detergent
- Powder
- Packaging unit: 10 kg
- \*Available to order



- **ProCare Lab 10 MA**
- Alkaline detergent
- Liquid
- Packaging units: 5 l, 10 l



- **ProCare Lab 10 AP**
- Alkaline detergent
- Liquid
- Packaging units: 5 l, 10 l
- \*10 l canister available to order



- **ProCare Lab 10 AT**
- Alkaline detergent
- Liquid
- Packaging units: 5 l, 10 l
- \*Available to order



- **ProCare Lab 30 C**
- Acidic neutralising agent based on citric acid
- Liquid
- Packaging units: 5 l, 10 l



- **ProCare Lab 30 P**
- Acidic neutralising agent based on phosphoric acid
- Liquid
- Packaging units: 5 l, 12 kg



- **ProCare Lab Universal 61**
- Coarse special salt
- Packaging unit: 6 kg



- **Canister key**
- Simplifies the opening of firmly tightened safety caps

# ProCare Lab – Properties

Product	Packaging unit	Properties	Ingredients	pH range
<b>Main wash</b>				
● ProCare Lab 11MA	10 kg	Powder, mildly alkaline Foam-retardant action Free from: Oxidative agents	Phosphates Silicates Tensides	11.7-11.9 <sup>1</sup>
● ProCare Lab 11 AP	10 kg	Powder, alkaline Oxidative Free from: Phosphates,	Oxygen bleach Tensides	11.5-11.7 <sup>1</sup>
● ProCare Lab 10 MA	5 l, 10 l	Liquid, alkaline Free from: Tensides and oxidative agents	Alkali hydroxide Phosphates Silicates	11.6-11.8 <sup>2</sup>
● ProCare Lab 10 AP	5 l, 10 l	Liquid, alkaline Free from: Tensides, phosphates and oxidative agents	Alkali hydroxide Polycarboxylates	12.5-12,7 <sup>2</sup>
● ProCare Lab 10 AT	5 l, 10 l	Liquid, alkaline, contains tensides Free from: Phosphates, silicates and oxidative agents	Alkali hydroxide Polycarboxylates Tensides	12.2-12,5 <sup>2</sup>
<b>Neutralisation</b>				
● ProCare Lab 30 C	5 l, 10 l	Liquid Acidic (based on citric acid) Free from: Tensides and phosphates	Citric acid	2.9 -2.5 <sup>3</sup>
● ProCare Lab 30 P	5 l, 12 kg	Liquid Acidic (based on phosphoric acid) Free from: Tensides	Phosphoric acid	2.2-1.9 <sup>4</sup>
<b>Reactivation</b>				
● ProCare Lab Universal 61	6 kg	Coarse special salt for reactivation of built-in water softener		

<sup>1</sup> pH range in fully demineralised water, 20°C, 2-4 g/l

<sup>2</sup> pH range in fully demineralised water, 20°C, 2-4 ml/l

<sup>3</sup> pH range in fully demineralised water, 20°C, 1-4 ml/l

<sup>4</sup> pH range in fully demineralised water, 20°C, 1-3 ml/l

# ProCare Lab – Applications

Product	Main applications	Soil type	Material compatibility
<b>Main wash</b>			
● ProCare Lab 11MA	Medical, biological and chemical laboratories	Blood, protein, food residue	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, ceramics, plastics* (PE, PP, PVDF, PTFE)</p> <p><b>Conditionally suitable for:</b> Non-anodised aluminium and non-ferrous metals (preliminary checks required)</p> <p><b>Not suitable for:</b> Anodised aluminium</p>
● ProCare Lab 11 AP	Water laboratories, serological institutes, laboratories in phosphate industry	Inorganic and organic soils	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, ceramics, plastics* (PE, PP, PVDF, PTFE)</p> <p><b>Not suitable for:</b> Light alloys and non-ferrous metals, aluminium, anodised aluminium</p>
● ProCare Lab 10 MA	Medical, biological and chemical laboratories	Blood, protein, Nutrient residues	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, ceramics, plastics* (PE, PP, PVDF, PTFE)</p> <p><b>Conditionally suitable for:</b> Non-anodised aluminium and non-ferrous metals (preliminary checks required)</p> <p><b>Not suitable for:</b> Anodised aluminium</p>
● ProCare Lab 10 AP	Medical, biological, micro-biological and chemical laboratories, water laboratories, phosphate industry, laboratories in food processing, cosmetics, pharmaceutical, mineral oil and other industries	Stubborn or dried-on residues	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, ceramics, plastics* (PE, PP, PVDF, PTFE)</p> <p><b>Not suitable for:</b> Light alloys and non-ferrous metals, aluminium, anodised aluminium</p>
● ProCare Lab 10 AT	Laboratories in food, cosmetics, pharmaceutical, mineral oils and other industries	Stubborn residues such as oils, greases, paraffins, resins, organic dyes	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, ceramics, plastics* (PE, PP, PVDF, PTFE)</p> <p><b>Not suitable for:</b> Light alloys and non-ferrous metals, aluminium, anodised aluminium</p>
<b>Neutralisation</b>			
● ProCare Lab 30 C	Medical, biological, micro-biological and chemical laboratories, water laboratories, phosphate industry, laboratories in food, cosmetics and pharmaceutical industry	Residues soluble in acids	<p><b>Suitable for:</b> Stainless steel, laboratory glassware, ceramics, plastics** (PE, PP, PVDF, PTFE); additionally suitable for the neutralisation of non-anodised aluminium</p> <p><b>Not suitable for:</b> Light alloys and non-ferrous metals, chrome- and nickel-plate parts, anodised aluminium; additionally suitable for the neutralisation of non-anodised aluminium</p>
● ProCare Lab 30 P	Medical, biological, micro-biological and chemical laboratories, laboratories in the food, cosmetics, pharmaceutical, mineral oil and other industries	Removes limescale and other soils soluble in acids	<p><b>Suitable for:</b> Stainless-steel, laboratory glassware, non-anodised aluminium, ceramics, plastics (PE, PP, PVDF, PTFE)</p> <p><b>Not suitable for:</b> Light alloys and non-ferrous metals, chrome- and nickel-plated parts, anodised aluminium, aluminium</p>
<b>Reactivation</b>			
● ProCare Lab Universal 61	ProCare Universal 61 prevents scaling and protects loads		





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### **Forever Better**

Since 1899, Miele - a family-run company - has subscribed to a clear corporate philosophy condensed into the two words 'Forever better'. This overarching claim is the foundation of Miele's proverbial quality and sustainability and the power of innovation of a brand 'Made in Germany'. A brand promise which gives commercial users the certainty of having chosen the right product.

### **Award-winning**

Uncompromising product reliability and service dependability is the reason why customers have repeatedly voted Miele the best and most trustworthy brand. Coveted awards such as the MX, the iF and reddot Design Awards and the German Sustainability Prize endorse the outstanding position Miele commands with respect to design, quality management and the conservation of valuable resources.

### **Proficient**

Miele Professional has been developing and manufacturing a broad range of high-quality laundry machines, dishwashers, washer-disinfectors and sterilisers for decades. Carefully selected accessories, comprehensive advisory services and a Miele service department which guarantees a fast response ensures that machines perform to perfection and offer the ultimate in performance and efficiency.

