BENEFITS OF SILVER & GOLD-BASED ACTIVE INGREDIENTS IN HYGIENE, PERSONAL CARE AND HEALTHCARE

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1. COMPANY OVERVIEW

• Laboratorios Argenol was founded in 1939 as API manufacturer for the pharmaceutical industry.

• Producing Silver Colloids since that time, becoming world leader in silver derivate

• In 2009, we started to produce silver-based compounds for cosmetics

• In 2012, we launched Platinum, Copper and Gold derivate

• GMP and Ecocert certificates for several references

• Laboratorios Argenol exports over 60 countries
1. COMPANY OVERVIEW

Board of directors

Managing Director

Sales Department  Quality Dep.  Production  R&D Dep  Finance and Administration
2. SILVER ACTIVITY. Technical info
Silver: natural remedy to prevent infections.

Antimicrobial properties:
- Bacteria
- Fungi
- Yeast
3. GENERAL APPLICATIONS: SILVER, GOLD & PLATINUM
3. GENERAL APPLICATIONS

- Pharmaceutical industry
- Medical devices
- Health and personal care – Dermocosmetics
- Veterinary
- Water purification
- Others: Cloud seeding, plastics, coatings, paintings, rubber, aseptic surfaces…
3. GENERAL APPLICATIONS

PHARMACEUTICAL INDUSTRY

- **Eye drops**: Conjunctivitis
- **Nose drops**: Rhinitis, sinusitis, nasal infections
- **Ear drops**: External otitis
- **Urology**: Urinary tract infection, chronic cystitis
- **Gynecology**
- **Dermatology**
3. GENERAL APPLICATIONS MEDICAL DEVICE

- **Burn treatment** (burn skin; combination with HA, AV, collagen, alginate…)
- **Wound healing** (infected wounds, help healing Process)
- **Medical dressings**
- **Gynecology**: (feminine intimate hygiene)
- **Oral care**: (periodontitis, gingivitis, ulcers, implants)
- **Sanitary products** (hand sanitizers, surface disinfectants)
3. GENERAL APPLICATIONS

COSMETIC - PERSONAL CARE

- **Facial care** (masks, anti-acné, after shave lotions…)
- **Body care** (atopic/sensitive skin, depilatory cream psoriasis, eczema)
- **Wet wipes** (baby wipes)
- **Foot care** (repair cream, antifungal cream, deodorant…)
- **Deodorant** (spray, cream, roll-on)
- **Hair care** (anti-dandruff shampoo)
- **Preservative** (MIC efficacy test, Challenge test)
- **Hand/Surface sanitizer**
3. GENERAL APPLICATIONS

GOLD and PLATINUM

- **Facial care** (anti-aging, eye serum, lip balm)
- **Body care** (bright body lotion, body splash)
- **Hair care** (golden shampoo)
- **Decorative** (gold color, perfumes…)
- **Oral care** (golden toothpaste)
- **Spa Products**
4. CERTIFICATES
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• Silver registered under several Pharmacopeia:
  European
  Russian
  USP
  Japanese
  Local: Belgian VI, French IX, ÖAB, DAC, British…

• GMP certified

• Ecocert certified
5. PRODUCTS
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**COLLOIDAL SILVER (GMP)**  
- Collargol/Colloidal Silver (GMP)  
- Silver Vitellinate/ Silver Protein Mild (GMP)  
- Silver Proteinate/ Silver Protein Strong (GMP)  
- Silver Protein Acetyltannate with/out Borax (GMP)

**SILVER SALTS**  
- Silver Chloride  
- Silver Citrate  
- Silver Iodide  
- Silver Nitrate (GMP)  
- Silver Oxide  
- Silver Sulphate (GMP)

**SILVER SOLUTIONS**  
- Silver Citrate Solution (Ecocert)  
- Silver Solution – B (Ecocert)  
- Silver Solution – C  
- Silver Lactate Solution  
- Colloidal Silver Solution (120 – 36000 ppm)

**METALLIC SILVER**  
- Metallic Silver Powder – G (GMP & Ecocert)  
- Metallic Silver Powder – W (GMP & Ecocert)

**SILVER TECHNOLOGIC CARRIERS**  
- Silver Chloride on Titanium Dioxide  
- Silver Copper Zeolite (GMP)  
- Silver Zeolite (GMP) with Aloe Vera, HA, collagen  
- Silver Zeolite – N  
- Silver Zirconium Phosphate

**GOLD COMPLEXES**  
- Colloidal Gold - P  
- Gold Powder

**PLATINUM PRODUCTS**  
- Colloidal Platinum

**TANNIC ACID DERIVATES**  
- Albumin Tannate (GMP)
6. CLAIMS – SALES ARGUMENTS

- **ANTIMICROBIAL:**
  - Bacteria
  - Mould
  - Yeast

- **PRESERVATIVE FREE. Paraben free**

- **ACTIVE INGREDIENT**

- **ALUMINUM CHLOROHYDRATE FREE DEODORANTS**

- **NATURAL PRODUCT**
Thanks for your attention