

*Product Information  
Brochure*

**®mark**<sup>®</sup>  
ON-DOSE ID™



Customized On-Dose Authentication Technology

Colorcon 

## THE BEST INVESTMENT YOU CAN MAKE

Counterfeit drugs are a multi-billion dollar industry and the problem reaches around the globe. ®mark® On-Dose ID™ micro-tags are covert markers that offer pharmaceutical manufacturers a safe, reliable and easily implemented method for authenticating products, while reducing the risks associated with counterfeiting and product diversion.

Colorcon and ARmark Authentication Technologies, LLC partnered to develop ®mark On-Dose ID micro-tags for use on pharmaceutical solid oral dosage forms. ARmark securely manages each customer's proprietary information and manufactures the customized micro-tags under strict GMP conditions. Colorcon markets the micro-tags globally for inclusion in tablet film coatings.

### Regulatory Acceptance

- Manufactured from GRAS, CDER IIG listed excipients approved as Physical Chemical Identifiers (PCIDs)
- Viewed by the United States Food and Drug Administration (FDA) as a Annual Reportable, Supac Level 1 Change for incorporation into the immediate release film coating of a currently marketed product

### Seamless Manufacturing Integration

- Incorporated into existing immediate release film coating systems, micro-tags have no effect on the dissolution or stability of pharmaceutical products
- Applied using standard film coating equipment -- No additional capital investment required
- Easily integrated into current film coating application processes -- No loss in productivity or throughput with 100% tablet coverage

### Simple In-Field Detection

- Micro-tags are smaller than the width of a human hair -- invisible to the naked eye
- Non-destructive, in-field testing assures immediate on-site identification
- Easy-to-use, portable hand-held and digital optical microscopes available
- Verification possible at any step throughout the supply chain
- Protects the intellectual property of your product -- micro-tag technology does not rely on identifying your active or any other components of your product for authentication

### Customized, Multi-Level Security

- Encrypted image options per customer specification
- Micro-tags may contain up to five levels of integrated security

## Deliver high-performance products — with Colorcon

Choose Colorcon, leader in pharmaceutical solid oral dose solutions, as a formulation partner in every phase of your product development. Our solution capabilities originate from two main areas of expertise:

### Formulation Technologies:

- Full range of functional excipients
- Technologies for development and production of delayed/enteric release and extended/controlled release tablets and multiparticulates
- HyperStart® service and extensive applications data to provide starting formulations to save you development time and money
- Extensive formulation know-how and technical support to achieve the exact drug release profile desired

### Film Coatings:

- Optimized formulations specifically for your application and regulatory needs including customized colors and color matching
- Innovative products for mechanical integrity, gloss, pearlescence, and environmental protection
- Brand enhancement concepts, consulting and services to build a strong brand image and stand out from the competition

From formulation and tablet design through product differentiation and branding, Colorcon gives you everything you need to deliver high-performance products.

For more information, contact your Colorcon representative or call:

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You can also visit our website at [www.colorcon.com](http://www.colorcon.com)



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