

# 2022 ARCHROMA SUSTAINABILITY AWARDS

## Application Form

### 1. Team

**Team name:**

- Technology Department Dyes Dev. Lab \_ Tianjin Site

**members:**

- **Zhijian Ma** Deputy Head of Dyes Dev. Lab  
Operations Tianjin  
zhijian.ma@archroma.com
- **Haoyang Hou** Laboratory Assistant Dyes R&D LAB  
Operations Tianjin  
haoyang.hou@archroma.com
- **Jingkun Zhao** Head of QCFG Laboratory/Head of Global Formulation Development Lab,  
Operations Tianjin  
jingkun.zhao@archroma.com
- **Fei Guo** Laboratory Assistant Dyes R&D LAB  
Operations Tianjin  
fei.guo@archroma.com
- **Haoyu Wang** Deputy Head of QCFG Laboratory  
Operations Tianjin  
haoyu.wang@archroma.com
- **Yimin Wang** Assistant to Head of Production Dyes Finishing  
Operations Tianjin  
yimin.wang@archroma.com
- **Hongsheng Guo** Operations Support Tianjin / Deputy GM  
Operations Tianjin  
hongsheng.guo@archroma.com

### 2. Main contact name:

- **Zhijian Ma** Deputy Head of Dyes Dev. Lab  
Operations Tianjin  
zhijian.ma@archroma.com

### 3. Title of the application: (for ease of reference by the Jury and voters)

- FRUSDF--How to simplify the process, keep the same color strength, but 20% higher in yield

### 4. Award category

- Business Win
- Diversity & inclusion
- Environment
- Excellence



- Innovation
- Safety First
- Sustainable partnership

## 5. Elevator pitch

- Using higher flash point solvent instead of acetic acid and methanol, synthetic safer
- Reduce thermal treatment temperature, to save energy
- More stable product quality, the yield increased by 20%

## 6. Describe how your project and its impact help achieving the category-specific criteria

- FRUDSF is one of important products for Foron S-WF business produced in Tianjin plant. MEPEIN as coupled components, it is the flash point of 49°C. Such a low flash point is a hidden trouble to safety. In order to solve this problem, we choose to use a high flash point solvent instead of acetic acid, which makes MEPEIN flash point increase. Now MEPEIN flash point is more than 130°C, now is very safe to use. For FRUDSF treatment temperature, down from 120°C to 95°C, save a lot of energy.

## 7. Describe how your project supports “The Archroma Way to a Sustainable World: Safe, efficient, enhanced, it’s our nature”

- Using the new synthetic route, the yield increased by 20%, that means less 20% of the dye into the WWTP. This process is more ecological safety and economic benefits.

## 8. Describe how your project demonstrates the company mindset “Everybody sells!” supported by our ACTS

- More stable product quality is the key to sales, also can the enterprise have stronger market competition ability and become double winner for both production site and business finally.

I declare to have read and accepted the privacy policy: <https://www.archroma.com/archroma-sustainability-awards-policy>

- Yes

In case the submitted project belongs to a team, I declare that I have the authorization of all of them and that they have read and agreed with the privacy policy (attach to the submission!!!).

- Yes, I have the consent of everybody in the team