

Dear Valued Customer:

November, 2024  
MARKTEC Corporation  
Quality Assurance department

### Notice of change to content of certificate

Thanks a lot for your continued patronage and support. In order to clarify the your order number, we will be changing the contents of the Super Glo : AMS Certified (QPL AMS2644) certificate.

We appreciate your understanding and cooperation.

Sincerely yours,

#### Note

#### 1. Details of changes

In order to clarify the your order number, we will be changing the contents of the certificate.  
(please refer to the attached sheet for details).

#### 2. Target products

- |   |                               |
|---|-------------------------------|
| • Super Glo Fluorescent Penetrant P121            | • DUBL-CHEK PENETRANT HM-3A   |
| • Super Glo Fluorescent Penetrant P130            | • DUBL-CHEK PENETRANT HM-406  |
| • Super Glo Fluorescent Penetrant P220            | • DUBL-CHEK PENETRANT HM-604  |
| • Super Glo Fluorescent Penetrant P230            | • DUBL-CHEK PENETRANT RC-50   |
| • Super Glo Fluorescent Penetrant P240            | • DUBL-CHEK PENETRANT RC-65   |
| • Eco Glo Fluorescent Penetrant P1200             | • DUBL-CHEK PENETRANT RC-77   |
| • Super Glo Emulsifier E400                       | • DUBL-CHEK EMULSIFIER ER-85  |
| • Super Glo Emulsifier R500                       | • DUBL-CHEK EMULSIFIER ER-83A |
| • Super Glo Developer D700                        | • DUBL-CHEK DEVELOPER D90G    |
| • Super Glo Developer D701 Aerosol 450 Type       |                               |
| • Super Glo Developer D702 Aerosol 450 Type       |                               |
| • Super Glo Cleaner/Remover S600 Aerosol 450 Type |                               |

#### 3. Implementation period

We will change from products manufactured on or after December 1, 2024.

End

P121 After

検査証明書  
CERTIFICATION

品名 Article	スーパーグロー蛍光浸透液 P121 Super Glo Fluorescent Penetrant P121 (AMS 2644 : Type I, Method A&C, Level 2)		
Lot No.		検査年月日 Test date	

1) 結果 (AMS2644H 4.2.2項要求項目)  
Results : AMS2644H 4.2.2Requirements

No	項目 Test item	検査方法又は検査器具 Test method / Test instruments	要求事項 Requirements	結果 Results
1	引火点 Flash point (Para. 3.3.3)	ASTM D 93	93 °C以上のこと。 Min. 93 °C.	101.7 °C
2	粘度 Viscosity (Para. 3.3.4)	A STM D 445 (at 38 °C)	6.12~7.48 cSt (6.80 cSt±10 %)	7.21 cSt
3	蛍光輝度 Fluorescent Brightness (Para. 3.3.8.3.3)	ASTM E 1135	標準品FP-4PEと比較して 80%以上であること。 More than 80% of reference.	99.8 %
4	水許容量 Water Tolerance (para.3.3.8.5)	Para.4.4.10	5%以上のこと。 More than 5%.	20.0 %
5	除去性 Penetrant Removability (Para.3.3.8.6)	Para.4.4.11	標準と比較して 残光がないこと。 Less than reference.	合格 Conforms
6	含有水分 Water Contents (Para.3.3.8.7)	Para.3.3.8.7	5%以下のこと。 Less than 5%.	0.14 %

消防法: 第四類 第三石油類 水溶性液体  
Fire Service Act Category IV, Class III petroleum, Hydrophilic solution.

表記の製品は、規格AMS 2644の認定を取得し、上記の通り各要求項目に合格していることを証明致します。  
It is further certified that this material is QPL-AMS-2644 listed or approved for listing and meets the requirement of AMS 2644.  
尚、お客様の注文番号は同封の出荷案内書に記載致しますのでそちらをご参照願います。  
Your order number, please refer to the shipping guide.

マークテック株式会社  
品質保証部  
MARKTEC Corporation  
Q.A. Department

Add description about the order number

HM-3A After

**SHERWIN**  
INCORPORATED

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www.sherwininc.com • email: sherwin@sherwininc.com

CERTIFICATION

Product: HM-3A

Batch No.: -

Type: 1 Methods: A and C


Sensitivity Level: 2

It is hereby certified that this material has been manufactured in accordance with, and conforms to, AMS 2644H. Results of the required quality conformance tests, as stipulated by paragraph 4.3.2, are listed below.

Test Method Paragraph	Test Description	Results
3.3.3	Flash point i.a.w. ASTM D93	>205 °F
3.3.4	Viscosity i.a.w. ASTM D445 at 100 ± 1 °F	7.11 cSts
3.3.8.3.3	Fluorescent brightness i.a.w. ASTM E1135 (Type I only)	83.3%
3.3.8.5	Water tolerance	6.3%
3.3.8.6	Removability	Conforms
3.3.8.7	Water Content	0.10%
---	Fluoride content i.a.w. ASTM E165, Annex 4	<0.0001% BW
---	Chloride content i.a.w. ASTM E165, Annex 4	<0.0001% BW
---	Sulfur content i.a.w. ASTM E165, Annex 4	<0.0001% BW

It is further certified that this material is listed or approved for listing on QPL-AMS-2644. The material was analyzed in accordance with and meets the detection limits for fluoride, chloride, and sulfur per ASME Boiler and Pressure Vessel Code, Section V, Article 6, paragraph T-641, 1998 - 2023 Editions and addenda. It also meets the requirements of ASTM E1417.

SHERWIN INCORPORATED この成績書は、原本をコピーしたものです。

  
Q.C. Laboratory

マークテック株式会社  
成田工場 品質保証部



SHERWIN EAST: 1615 Distribution Drive • Burlington, KY 41005 • (859) 525-6881 FAX (859) 525-6887

Your order number, please refer to the shipping guide.

Add description about the order number