



1.	PRODUCT	
	Item:	DHI-HY-SA20A, DHI-HY-SA20B, SA20A-A, SA20A-B, SA20A-C, DHI-HY-SA2TA, BF1S, SA2TA-A, DHI-HY-SA21A-W2, SA21A-433-A, SA21A-433-B, DHI-HY-SA21A-W2(868), SA21A-868-A, SA21A-868-B, DHI-HY-SA2FA, WF1S, SA2FA-A, SA2FA-B house hold Photoelectric Smoke Alarm Detectors
	Manufacturer:	Zhejiang Huaxiao Technology Co.,Ltd. 1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street, Fuyang District, Hangzhou, Zhejiang, China
	Manufacturing plant:	Zhejiang Huaxiao Technology Co.,Ltd. 1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street, Fuyang District, Hangzhou, Zhejiang, China
	Client:	Zhejiang Huaxiao Technology Co.,Ltd. 1-3/F, Building A2 ,No. 28 Dongqiao Road, Dongzhou Street, Fuyang District, Hangzhou, Zhejiang, China
2.	ASSESSMENT	
	Method:	Testing and evaluating
	Basis:	EN 14604: 2005 EN 14604: 2005/AC:2008
3.	Report(s):	
	Test report(s):	Test report CN222T6K 001 (TÜV Rheinland Shanghai, issued: 16 th of February 2022.) Test report W02214100047E (SQI, issued: 20 th of January 2022.) Test report H202110281001001 (Hangzhou EVERFINE Test and Calibration Technology Co.,Ltd. issued: 25 th of January 2022.)
	Declaration(s):	Declaration of Identity issued by Zhejiang Huaxiao Technology CO.,LTD on the 21 st of February 2022.
	Summary	The product(s) was evaluated based on the protocols listed above.
	The assessment report made by:  Miklos Bencz 2022.03.25 14:39:15 +01'00'	The assessment report reviewed by:  László Kocsis 2022.03.25 14:42:04 +01'00'

1. PRODUCT, ENDUSE APPLICATION(S)

DHI-HY-SA20A, DHI-HY-SA20B, SA20A-A, SA20A-B, SA20A-C, DHI-HY-SA2TA, BF1S, SA2TA-A, DHI-HY-SA21A-W2, SA21A-433-A, SA21A-433-B, DHI-HY-SA21A-W2(868), SA21A-868-A, SA21A-868-B, DHI-HY-SA2FA, WF1S, SA2FA-A, SA2FA-B Photoelectric Smoke Alarm Detectors for household applications.

2. DOCUMENTS, WHICH USED FOR THE ASSESSMENT

Test report CN222T6K 001 (TÜV Rheinland Shanghai, issued: 16th of February 2022.)

Test report W02214100047E (SQI, issued: 20th of January 2022.)

Test report H202110281001001 (Hangzhou EVERFINE Test and Calibration Technology Co., Ltd. issued: 25th of January 2022.)

Declaration of Identity issued by Zhejiang Huaxiao Technology CO., LTD on the 21st of February 2022.

3. BASED OF THE DOCUMENTS, USED FOR THE EVALUATION OF PRODUCTS, THE FOLLOWING EVALUATION HAS BEEN DETERMINED

Essential characteristics	Performance	Harmonised technical specification
Operational reliability	Pass	EN 14604: 2005 EN 14604: 2005/AC:2008
Repeatability	Pass	
Directional dependence	Pass	
Initial sensitivity	Pass	
Air movement	Pass	
Dazzling (45°, 90°)	Pass	
Dry heat (55±2°C, 2h)	Pass	
Cold (operational) (0±2°C, 2h)	Pass	
Damp heat (operational) (40±2°C, 93±3%, 96h)	Pass	
Sulphur dioxide (SO ₂) corrosion (25 °C; 93 %; 25 ppm; 4 days)	Pass	
Impact (1,9±0,1 J; 1 time)	Pass	
Vibration (operational) (10 to 150 Hz; 5m/s ² ; 3 axes)	Pass	
Vibration (endurance) (10 to 150 Hz; 10m/s ² ; 3 axes)	Pass	
Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass	
Fire sensitivity (TF2; TF3; TF4; TF5)	Pass	
Battery fault warning	Pass	
Sound output	Pass	
Sounder durability	Pass	
Inter-connectable smoke alarms	N/A	
Alarm silence facility	Pass	
Variation in supply voltage	Pass	
Battery reversal	Pass	
Back-up power source	N/A	
Electrical safety	Pass	

4. VALIDITY

The assessment remains valid provided that the test methods and / or the factory production control requirements specified by the standard for verifying the declared performance characteristics remain unchanged and the manufacturing conditions applied on the product and site (s) remain unchanged.