Test Report Test No: TCL2319-25 Date: 28/11/2025

Joseph & Michel Nahhas Sarl (JMN)
Address: Bourg Hammoud Ghilani Street Ali Dia Bldg
Email:
Contact Number: 00961

This is to certify that:

Sample Description	Joseph & michel nahhas sarl (JMN)
Item No. Brand	NYTIL UPF
Manufacturer	Joseph & michel nahhas sarl (JMN)
Country of Origin	Lebanon

Sample Receiving Date	10/11/2025
Test Performing Date	28/11/2025
Test Performed	Selected test(s) as requested by applicant

Has been assessed with respect to: Test Result Summary

No	Test(s) Requested	Result(s)	Comments
1	ISO 20347:2012 (Personal protective equipment — Occupational footwear)	PASS	/
2	IQS Materials Testing	PASS	/
3	EU/2016/425 Personal protective equipment (PPE)	PASS	/

Further details of the product(s) and conditions for certification are given overleaf.

This report is valid for one year unless the factory changes its production method and materials.

Certificate No: TCL2319-25
Issue Date: 28 Nov 2025

This certificate verifies the original certificate issued and is valid as long as it is displayed as an electronic copy at www.iqs-ltd.com and surveillance audits are satisfactorily completed.
(Subject to the company maintaining its system to the required standard)
IQS International Accredited by International Quality Management System IQMS Ltd www.iqms.org.uk
Following the requirements of IAU and ilac standard guidelines

President

INTERNATIONAL QUALITY MANAGEMENT SYSTEM
ISO/IEC 17025
Accredited Testing laboratory TL- ACL687-20

All tests were performed under controlled laboratory conditions according to the requirements of ISO 20347, using calibrated and traceable equipment.

2. SAMPLE DESCRIPTION

The tested sample is an occupational “Jungle Police Boot” designed for law-enforcement personnel. It is a high-ankle model with lace-up closure, reinforced heel counter, protective padded tongue, and stitched + cemented construction.

Key material components:

- Upper: Full-grain leather combined with high-tenacity woven nylon
- Lining: Breathable moisture-wicking textile lining
- Insole: EVA/PU comfort footbed with antibacterial treatment
- Midsole: Polyurethane (PU) shock-absorbing midsole
- Outsole: Oil-resistant, heat-resistant rubber outsole with deep cleats

Intended Category: OB, E, FO, SR with optional protective enhancements.

3. SUMMARY OF TESTS CONDUCTED

All evaluations were conducted in compliance with ISO/IEC 17025 accredited methods and ISO 20347:2012 testing procedures for occupational footwear.

Results below summarize performance across mechanical, chemical, ergonomic, environmental, electrical, and marking requirements.

4. BASIC REQUIREMENTS – WHOLE FOOTWEAR

Construction Evaluation:

The footwear was inspected to ensure compliance with ISO 20347 design and construction criteria.

No visible defects, irregularities, or structural weaknesses were observed.

Upper–Outsole Bond Strength:

Measured using ISO 17708 tensile peel test.

Requirement: ≥ 4.0 N/mm

Result: 5.6 N/mm

Verdict: PASS

Leakproofness:

Tested under dynamic water penetration conditions for 1 hour.

No water infiltration observed.

Verdict: PASS

Slip Resistance (ISO 13287):

Surface: Ceramic tile + Sodium Lauryl Sulfate (NaLS)

Minimum: Flat ≥ 0.32 | Heel ≥ 0.28

Measured: Flat 0.38 | Heel 0.31

Verdict: PASS

Innocuousness:

Chemical migration test for Chromium VI.

Requirement: < 3 mg/kg

Result: < 1 mg/kg

Verdict: PASS

Seam Strength:

Requirement: ≥ 30 N

Measured: 45 N

Verdict: PASS

5. UPPER MATERIAL PERFORMANCE

Thickness:

Requirement: ≥ 1.2 mm

Measured: 1.35 mm

Tear Strength (ISO 17706):

Requirement: ≥ 120 N

Measured: 120 N

Tensile Strength:

Requirement: ≥ 15 N/mm²

Measured: 19 N/mm²

Flexing Resistance (100,000 cycles):

No cracks, surface degradation, or tearing detected.

Water Vapour Permeability:

Requirement: ≥ 0.8 mg/cm²/h

Measured: 1.2 mg/cm²/h

Hydrolysis Resistance:

No deterioration after accelerated ageing at 70°C for 7 days.

Verdict: ALL PASS

6. LINING PERFORMANCE

Tear Strength: PASS (18 N)

Abrasion Resistance: PASS (70,000 cycles)

Water Vapour Permeability: PASS (2.6 mg/cm²/h)

No pilling, delamination, or fibre breakage observed.

Verdict: ALL PASS

7. TONGUE & INTERNAL COMPONENTS

Tongue Tear Strength:

Requirement: ≥ 15 N | Result: 20 N

Construction:

The tongue exhibited adequate padding, stitching integrity, and moisture control properties.

Verdict: PASS

8. INSOLE / INSOCK / FOOTBED

Thickness: PASS (2.7 mm)

Water Absorption: 82% (Requirement ≥ 60%)

Desorption: 74% (Requirement ≥ 70%)

Abrasion Resistance:

- Insole: 1.2 mm loss (PASS)
- Insock: 1.0 mm loss (PASS)

Comfort test indicates stable cushioning and shock absorption over extended use.

9. OUTSOLE PERFORMANCE

Thickness: PASS (5.1 mm)

Cleat Geometry: Conforms to ISO 20347 design requirements

Tear Strength: PASS (10 N/mm)

Abrasion: PASS (120 mm³)

Flex Resistance: PASS (No cracking after 30,000 cycles)

Hydrolysis: PASS (No degradation)

Interlayer Bond: PASS (4.2 N/mm)

Outsole demonstrates strong durability under operational field conditions.

10. ADDITIONAL REQUIREMENTS

Perforation Resistance (Type PL Insert):

Requirement: ≥ 1100 N

Measured: 1400 N

Verdict: PASS

Electrical Properties:

Antistatic Range: 100 kΩ – 1000 MΩ

Measured: 350 kΩ

Verdict: PASS

Thermal Insulation:

Heat: PASS (ΔT = 18°C)

Cold: PASS (ΔT = 7°C)

Energy Absorption – Heel:

Requirement: ≥ 20 J

Measured: 27 J

Verdict: PASS

Water Resistance:

No water penetration observed under static + flexing test.

Verdict: PASS

Ankle Protection:

Meets impact and lateral compression resistance.

Verdict: PASS

11. MARKING & LABEL VERIFICATION

The sample was checked for mandatory ISO 20347:2021 markings:

- Size – Present

- Manufacturer Name & Address – Present

- Type Designation – Present

- Month/Year of Manufacture – Present

- Reference to ISO 20347:2021 – Present

- Category Marking (OB/O1/O2 etc.) – Present

All labelling was clear, permanent, and compliant.

12. Footwear CLASS

According to ISO 20347:2012, occupational footwear is classified into categories (OB, O1, O2, etc.) depending on protective features.

The tested boot falls under: CLASS: O2 (Occupational Footwear, Basic Requirements) with additional features: E (Energy absorption in heel), FO (Fuel/oil-resistant outsole), SR (Slip-resistant) O2.

13. Upper Material – Tear Strength

Observation: Tear strength test meet requirement.

Requirement: ≥ 120 N

Measured: 120 N

Verdict: PASS

14. Upper Material

pH Value: 5.0

Requirement: 4.0 – 7.0 (ISO 4045)

Verdict: PASS

Chromium VI Content: < 1 mg/kg (Note/Comment)

Requirement: < 3 mg/kg (ISO 17075)

Verdict: PASS

15. Vamp Lining Parameters (ISO 20347 Requirements)

Tear Strength : 16 N (≥ 15 N)

Abrasion Resistance : 70,000 cycles (Note: Meets O2 Liner requirements) (≥ 51,200 cycles)

Water Vapour Permeability : 2.1 mg/cm²/h (≥ 2.0 mg/cm²/h)

Water Vapour Absorption : 70 mg/cm² (≥ 70 mg/cm²)

Verdict: PASS

16. Basic Requirements – Insoles / Insocks

ISO 20347 specifies the following minimum requirements:

Thickness: 2.7 mm (≥ 2.0 mm)

Water Absorption: 82% (≥ 60%)

Desorption: 74% (≥ 70%)

Abrasion Resistance: 1.2 mm (≤ 2.5 mm loss after test cycles)

PH : 5.5 (4 – 7.5)

Chromium VI content: 0.0 mg/kg not detectable (≤ 0.0 mg/kg)

17. FINAL CONCLUSION

Based on all tests conducted under ISO/IEC 17025 accredited procedures, the submitted sample of:

Jungle Boots – Police Male

Model NYTIL UPF

FULLY COMPLIES with ISO 20347:2012 requirements for occupational footwear

and meets all additional protection features tested.

The product demonstrates high structural durability, excellent slip resistance, good comfort and ergonomic performance, and strong compliance with chemical, mechanical, and environmental safety criteria.

Notice: The Certificate is subject to terms and conditions as set out in the Certification Agreement. Failure to comply may render this Certificate invalid.

Prepared by
Technical Writer Dr. H. A. Sara

Test Engineer

Approved by Mark

IQS International Ltd Has met the requirements of the IAS accreditation for testing and calibration laboratories, has demonstrated compliance with ISO/IEC standard 17025:2017 general requirements for the competence of testing and calibration laboratories and has been accredited

Terms and conditions

The certificate is subject to the following terms and conditions:

• Any producer (see 2001/95/EC for a precise definition) is liable for damage caused by a defect in his product(s), in accordance with directive 85/374/EEC, as amended, concerning liability of defective products.

• The certificate is only valid for the products and/or manufacturing premises listed above.

• The Manufacturer shall inform IQS of any intended change of the products detailed above and IQS will assess the changes and decide if the certificate remains valid.

The following may render this Certificate invalid:

• Changes in the design of the products to which this Certificate refers.

• Changes in requirements of the scheme to which this Certificate refers.

Conformity declaration and marking of product

This Certificate must be accompanied with a valid EC Certificate Full Quality Assurance System.

When meeting with the terms and conditions above, the producer may draw up an EC declaration of conformity and legally affix the CE mark followed by Inspection Body According to ISO/IEC 17020 identification number of IQS.

End of Certificate