



**POC: Mr. Jason Gilligan**  
**Test Dates: 7-10 September 2021**  
**PO Number: PS15888**  
**Job No.: PR143776**

24 September 2021

Gentex Corporation  
 324 Main St.  
 Simpson, PA 18407

Attention: Mr. Jason Gilligan

**Subject: Gentex Corporation, DOI USFS Certification of Gentex Corporation Helmets Alpha Eagle Helicopter Helmet – Size M-Broad: Job No. PR143776, Tested 7-10 September 2021**

Dear Jason Gilligan

Please find enclosed a report documenting the subject test series conducted by NTS-Chesapeake Testing on 7-10 September 2021. NTS Chesapeake is an A2LA accredited laboratory to ISO/IEC 17025:2017 (Certificate No.: 0214.55) for DOI USFS Aviation Helmet Standard Testing. The table below details the compliance of the Gentex Corporation Helmets Alpha Eagle Helicopter Helmet – Size M-Broad with the applicable performance requirements of DOI/USFS Aviation Helmet Standard Specification, Version 4.3, dated November 12, 2019. Detailed data sheets for each test section can be found in Appendix A.

| Test  | Helmet    |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|
|   | A         | B         | C         | D         | E         |
| 6.1 Headform Selection                        | Size J    |           |           |           |           |
| 6.2 Test Line                                 | Size J    |           |           |           |           |
| 6.3 Conditioning                              | Ambient   | Low       | High      |           |           |
| 6.4 Positional Stability                      | Compliant |           |           |           |           |
| 6.5 Impact Attenuation                        | Compliant | Compliant | Compliant |           |           |
| 6.6 Static Strength Testing, Retention System | Compliant | Compliant | Compliant |           |           |
| 6.7 Heat Exposure Testing                     |           |           |           | Compliant |           |
| 6.8 Adhesion of Shell Edge Covering           |           |           |           | Compliant |           |
| 6.9 Sound Attenuation                         |           |           |           |           | Compliant |
| 6.10 Communication Equipment Talk-Listen      |           |           |           |           | Compliant |

A full product description can be found below:

This report shall not be used to claim product certification, approval or endorsement. The results of the testing relate only to the samples submitted for testing. This test report shall not be interpreted as an endorsement by NTS-Chesapeake Testing as to the continued quality or performance of any items of the same or similar design.

The information contained in this report may be subject to the provisions of the Export Administration Act (50 USC 2401 et seq.), the Export Administration Regulations (15 CFR 768-799), or the U.S. Arms Export Control Act (22 USC 2778 et seq.) and the International Traffic in Arms Regulations (22 CFR 120-130). These statutes and regulations impose restrictions on import, export and transfer to foreign entities and persons, whether within the U.S. or abroad, of certain data and articles without approved licenses from the U.S. Department of State and/or the U.S. Department of Commerce.

NTS-Chesapeake Testing is an independent testing facility and has no affiliation with Gentex Corporation.



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**PRODUCT DESCRIPTION:**

Gentex Corporation Helmets-Alpha Eagle Helicopter Helmet; size M-Broad (57-60.5 cm circumference, 18-20.3 cm long and 16-17.5 cm wide)

- Date of Manufacture: June 2021
- Visor: Single Integrated Visor Manufactured by Gentex Corporation June 2021
- Sound Attenuation: Gentex Corporation Helmet PN. Alpha Eagle: 2021
- Communications: Gentex Corporation Helmet PN. Alpha Eagle: 2021
  - 4 ft cord, 300 OHM speakers, electret mic

If you have any questions related to this test, please call Mr. Martin Bindel at 410-322-2279 or contact him via e-mail at martin.bindel@nts.com.

Sincerely,

A handwritten signature in black ink, appearing to read "CS", is written over a horizontal line.

Chris Schueler  
General Manager, NTS-Chesapeake Testing

lmd

Enc. a/s



Cert# 0214.55

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