



Sunbeam
Laboratories

Why Sunbeam:

- **Listed by the CPSC and EPA as a recognized testing agency.**
- **125 years of combined packaging experience.**
- **Knowledge of biomechanics applied to packaging design and consumer preference.**
- **Highly trained staff and rigorous quality systems ensure test integrity.**
- **Electronic media and digital imaging for quality and capturing critical data.**
- **Integrated compliance and consumer testing accelerate development cycle.**
- **Responsive In-progress test updates save you time and money.**
- **Real-time progress reports provide data to manage project objectives and timelines.**

Services Provided:

- Packaging Testing and Validation

- CPSC/EPA Child resistant testing
 - Conduct child and adult testing to 16CFR & 40CFR.
- UN/DOT Registration testing
 - Packaging and container testing to HM-181.
- EPA Registration testing
 - Conduct testing and documentation for EPA registration.
- Canadian and ISO testing
 - Conduct child and adult testing to ISO 8317 & CSA-Z76.1
- FDA “Tamper Evident” assessment
 - Package testing to indicate compliance to FDA regulation.
- Focus Group and in-home use (IHUT)
 - Develop and conduct consumer preference studies/tests.
- Package preparation
 - Provide conditioning to meet end-use requirements.
- Reporting and expert analysis
 - Reports provided in compliance with regulations.

Testing, Validation & Research

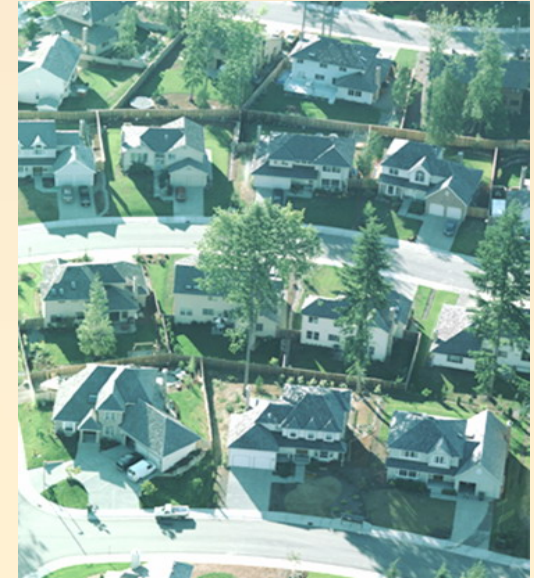
Independent Testing



Protocol Testing
– Child and Senior Tests



Focus Study
– Viewed by customers, engineers, designers

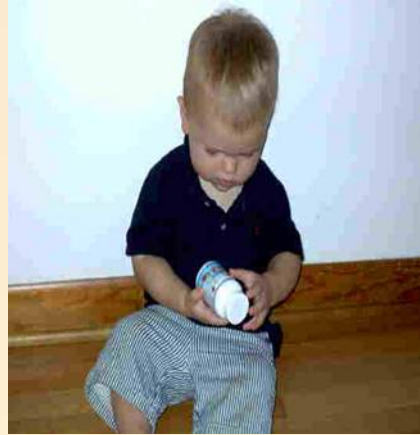


In-Home Market Tests
– Extended time periods

Human Ergonomics and Cognitive Skills

Children

- Bite Size
- Bite Strength
- Teeth Pull
- Hand/Grip Sizes
- Hand Squeeze
- Finger Squeeze
- Comprehension
 - Verbal
 - Written



Adults & Seniors

- Cognitive skills
- Hand/Grip Sizes
- Hand Squeeze
- Finger Squeeze
- Range of Motion
- Re-securing Abilities
- Comprehension
 - Verbal
 - Written



Associate Biographies:

Jeffrey C. Minnette

Jeff Minnette founded Sunbeam Packaging Services in 2004 to provide a full range of intellectual services to the users and producers of packaging. As president of Sunbeam, Mr. Minnette's role is to link customer needs with the unique skills and 125 years experience of its associates. With over 15 years experience in the packaging industry at Rexam Closures and Containers, he has held positions on the executive team and was responsible for Marketing, Sales, and New Product Development. During that time Mr. Minnette helped establish the global closures and containers business and integrated a complete package strategy for Rexam Healthcare Packaging. Mr. Minnette has extensive experience with government, regulatory, and industry organizations. He led the Rexam team to receive the U.S. Consumer Product Safety Commission's "**Chairman's Award**" in 1994, was selected to a special committee of the Institute for Standards Research (ISR) and American Society of Testing and Materials (ASTM) to determine new child resistant test methods. He has been a member of the Closure Manufacturer's Association and is currently the organization's Vice-Chairman.

Mr. Minnette has B.S. of Mechanical Engineering and did graduate work in Business Administration at the University of Evansville and completed an Advanced Management program at Ashridge University (U.K.). Mr. Minnette holds 15 U.S. and international patents and has written 10 articles on specialty and regulated packaging.

CPSC Chairman **Ann Brown** is pictured with Jeff Minnette presenting the prestigious "**Chairman's Award**".





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