OUR VISION

AT ORASCOPTIC, WE ENVISION every healthcare procedure in the world being performed with superior visualization under the best ergonomic conditions for the clinician to drive the best patient outcomes.

Recognized as a pioneer in medical vision for over 35 years, Orascoptic continues to offer healthcare professionals superior products that focus on magnification and illumination.

- Our legacy of advanced performance and clinician-first features sets the bar for craftsmanship, innovation and durability.
- Each Orascoptic loupé is custom-crafted with meticulous precision in Madison, Wisconsin and personalized to the individual’s facial geometry, ensuring optimal resolution across the widest and deepest field of view.
- Engineered with performance and comfort in mind, our loupes employ rich details such as adjustable nose pads, flexible temple hinges, anti-reflective lens coatings and working distances refined in half-inch increments. Additionally, steep declination angles allow for improved posture and help reduce strain.

Discover how Orascoptic continually shatters the status quo with award-winning optical innovations such as the EyeZoom™ loupé with three adjustable magnification levels and the XVI™ loupé, the first and only all-in-one wireless loupé & headlight.
A PASSION FOR INNOVATION

Innovation is our way of life. We remain steadfastly committed to investing in innovation to advance the leading edge of design in the field of dental & surgical loupes and headlights. We are proud to have presented the industry with many ‘first and onlys.’ Here’s a look at some of the innovations, many of which are available exclusively through Orascoptic.

VARIABLE MAGNIFICATION

With the EyeZoom™ capability, the first variable magnification loupes are available.

XVI™

The complete package — the first and only integrated loupe and headset in one.

EXPANDED FIELD PRISMS

Enables precise interactions and enhanced visibility for various exacting procedures 3.5x to 5.5x.

OMNIOPTIC™

The first and only interchangeable magnification loupes.
INNOVATION is a core value at Orascoptic.

**PATENTED HEADLIGHTS**
U.S. patents granted for the optical design in each of our headlights, enabling uniform light distribution.

**ERGOEDGE™ RDH ELITE EDGE™**
These patent-pending frames include the ability to fine-tune the declination angle of your loupes.

**TRUCOLOR™**
High-color rendering index (CRI) illumination across our range of LED headlights.

**TEMPO™ Refined Fit**
Designed to provide optimal comfort for anyone with a lower nose bridge and prominent cheekbones.
Loupes

**HDL™ 2.5 MICRO**

*Pushing the boundaries* of a typical micro optic, the loupe provides a generous field of view with edge-to-edge clarity. The exceptionally small profile also allows for additional viewing space above the telescope.

**HDL™ 2.5 MACRO**

*Delivering an equivalent image quality* to the HDL 2.5 Micro, the HDL 2.5 Macro distinguishes itself with sizeable field width that allows instruments to be transitioned into the field of view with ease.

### Mounting Options

**Through-the-Lens**

**Frame Options**

- ErgoEdge™
- Flak 2.0®
- Rydon™
- Tempo™
- Victory™
- XVI™
- Tempo™ Refined Fit

### Specifications

Each loupe package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDL Micro</td>
<td>2.5x</td>
<td>Customized to each user</td>
<td>3.4” (8.75 cm)</td>
<td>7.0” (17.80 cm)</td>
<td>TTL 1.36 oz (38.60 g)</td>
</tr>
<tr>
<td>HDL Macro</td>
<td>2.5x</td>
<td>Customized to each user</td>
<td>4.0” (10.40 cm)</td>
<td>5.0” (12.70 cm)</td>
<td>TTL 1.80 oz (50.70 g)</td>
</tr>
</tbody>
</table>

* measured on Orascoptic Victory Frame, see pg 15
**HDL™ 3.0**

**Comparable to its predecessor** — the HDL™ 2.5 — this custom-crafted loupe boasts edge-to-edge clarity and a generous field of view. Compact and lightweight, this loupe is designed to deliver a comfort rarely associated with Galilean optics of equivalent magnification power.

**MOUNTING OPTIONS**

Through-the-Lens

**FRAME OPTIONS**

ErgoEdge™ · Flak 2.0® · Rydon™ · Tempo™

Victory™ · XVI™ · Tempo™ Refined Fit

**SPECIFICATIONS**

Each loupe package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDL</td>
<td>3.0x</td>
<td>Customized to each user</td>
<td>3.1” (7.90 cm)</td>
<td>7.5” (19.0 cm)</td>
<td>TTL 1.70 oz (48.70 g)</td>
</tr>
</tbody>
</table>

* measured on Orascoptic Victory Frame, see pg 15
Loupes

**HDL™ Prisms**

**Prismatic Expanded Field Loupes** — Ranging from 3.5x to 5.5x, these loupes are designed for healthcare professionals who perform exacting procedures. The HDL prisms enable precise interactions, enhanced visibility and provide a customizable declination angle that accommodates various surgical procedures. The compact design and brushed metallic finish of the telescope offers an aesthetically pleasing element to this medical device.

**Mounting Options**

Through-the-Lens

**Frame Options**

ErgoEdge™ · Rydon™ · Tempo™ · Victory™

XVI™ · Tempo™ Refined Fit

**Specifications**

Each loupes package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDL</td>
<td>3.5x</td>
<td>Customized to each user</td>
<td>3.5” (8.90 cm)</td>
<td>3.6” (9.10 cm)</td>
<td>TTL 2.4 oz (67.5 g)</td>
</tr>
<tr>
<td></td>
<td>4.5x</td>
<td>Customized to each user</td>
<td>2.95” (7.50 cm)</td>
<td>2.64” (6.70 cm)</td>
<td>TTL 2.5 oz (71.5 g)</td>
</tr>
<tr>
<td></td>
<td>5.5x</td>
<td>Customized to each user</td>
<td>2.51” (6.40 cm)</td>
<td>2.32” (5.90 cm)</td>
<td>TTL 2.6 oz (74.4 g)</td>
</tr>
</tbody>
</table>

*measured on Orascoptic Victory Frame, see pg 15
Discover the first and only interchangeable magnification loupe that allows clinicians to select the optimal magnification power for each procedure. Accommodating four magnification powers ranging from 2.5x – 5.5x, the OmniOptic is an ideal system for users looking to increase their magnification power over the course of their career.

**Mounting Options**
Through-the-Lens

**Loupe Options**
HDL™ 2.5 Macro · HDL 3.5 · HDL 4.5 · HDL 5.5

**Frame Options**
ErgoEdge™ · Rydon™ · Tempo™
Victory™ · XVI™ · Tempo™ Refined Fit

**Specifications**
Each loupe package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5x</td>
<td>Customized to each user</td>
<td>2.02 oz (57.3 g)</td>
<td></td>
</tr>
<tr>
<td>3.5x</td>
<td>Customized to each user</td>
<td>2.66 oz (75.3 g)</td>
<td></td>
</tr>
<tr>
<td>4.5x</td>
<td>Customized to each user</td>
<td>2.79 oz (79.1 g)</td>
<td></td>
</tr>
<tr>
<td>5.5x</td>
<td>Customized to each user</td>
<td>2.90 oz (82.1 g)</td>
<td></td>
</tr>
</tbody>
</table>

*measured on Orascoptic Victory Frame, see pg 15
LOUPES VARIABLE MAGNIFICATION

EYEZOOM™ & EYEZOOM™ MINI

Your day is variable. Your loupes should be too. Offering two adjustable magnification solutions, EyeZoom™ features three magnification levels ranging from 3x-5x, while EyeZoom Mini™ features two magnification levels allowing the user to switch between 2.5x and 3.5x. Orascoptic’s EyeZoom and EyeZoom Mini offer clinicians the ability to switch between multiple magnification powers to accommodate a variety of procedures that require varying degrees of detail. Use lower magnification for routine dental examinations and preparation for crown and bridge procedures. Increase magnification for more complex and exacting procedures.

EYEZOOM ADJUSTABLE MAGNIFICATION
EyeZoom employs 3-step variable magnification

EYEZOOM MINI ADJUSTABLE MAGNIFICATION
EyeZoom Mini employs 2-step variable magnification

QUALITY ENGINEERING
Optics co-engineered by Orascoptic™ & Konica Minolta™
The first ever 3-in-1 and 2-in-1 adjustable magnification loupes, EyeZoom and EyeZoom Mini were developed to assist healthcare professionals view an operating site from multiple perspectives, conforming to fit each user’s individual preference.

**SPECIFICATIONS**

Each loupes package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>EyeZoom</td>
<td>3.0x</td>
<td>Customized to each user</td>
<td>4.0” (10.20 cm)</td>
<td>4.0” (10.20 cm)</td>
<td>TTL 3.0 oz (86.2 g)</td>
</tr>
<tr>
<td></td>
<td>4.0x</td>
<td>Customized to each user</td>
<td>3.25” (8.30 cm)</td>
<td>3.25” (8.30 cm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.0x</td>
<td>Customized to each user</td>
<td>2.50” (6.35 cm)</td>
<td>2.50” (6.35 cm)</td>
<td></td>
</tr>
<tr>
<td>EyeZoom Mini</td>
<td>2.5x</td>
<td>Customized to each user</td>
<td>3.97” (10.10 cm)</td>
<td>4.76” (12.10 cm)</td>
<td>TTL 2.6 oz (73.7 g)</td>
</tr>
<tr>
<td></td>
<td>3.5x</td>
<td>Customized to each user</td>
<td>3.19” (8.10 cm)</td>
<td>3.78” (9.60 cm)</td>
<td></td>
</tr>
</tbody>
</table>

*EyeZoom and EyeZoom Mini measured on Orascoptic Victory Frame, see pg 15

**MOUNTING OPTIONS**

Through-the-Lens

**FRAME OPTIONS**

ErgoEdge™, Rydon™, Tempo™, Victory™, XVI™, Tempo™ Refined Fit
HYGIENE LOUPES

RDH ELITE™
Orascoptic’s first loupe with a singular focus on the dental hygiene industry. Designed by a team of both practicing hygienists and industry-recognized experts in ergonomics and infection control, the RDH Elite is centered on improving ergonomics and productivity.

MOUNTING OPTIONS
Through-the-Lens

FRAME OPTIONS
Iconic · Sport

SPECIFICATIONS
Each loupe package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDH Elite</td>
<td>2.5x</td>
<td>Customized to each user</td>
<td>4.0” (10.20 cm)</td>
<td>6.0” (15.20 cm)</td>
<td>TTL 1.9 oz (58.4 g)</td>
</tr>
</tbody>
</table>

* measured on Orascoptic RDH Iconic Frame
RDH ELITE EDGE™

**Ergonomic focus** — Accommodates steep telescope declination for proper posture.

**Optimal Field of View** — Encompasses a field width and depth recommended for dental hygiene professionals.

**Infection Protection** — Deep carrier lens and custom-designed side shields provide additional protection from debris and backslash.

**Fashionable** — Iconic frame styles feature interchangeable temple tips and color emblems allowing you to add your own personal style.

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**SPECIFICATIONS**

Each loupe package includes side shields, head strap, personalized storage case, prescription lens, optical screw driver and cleaning cloth.

<table>
<thead>
<tr>
<th>Series</th>
<th>Power</th>
<th>Working Distance</th>
<th>Field Width</th>
<th>Field Depth</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDH EliteEdge</td>
<td>2.5x</td>
<td>Customized to each user</td>
<td>4.0” (10.20 cm)</td>
<td>6.0” (15.20 cm)</td>
<td>TTL 1.5 oz (43.3 g)</td>
</tr>
</tbody>
</table>

* measured on Orascoptic RDH Elite Edge Frame, see pg 13
FLIP-UP LOUPES

UNIVERSAL FLIP-UP™
Flip-ups generally afford steep declination angles up to 55 degrees. Our design features a vertical slide that allows advanced flexibility to position the telescopes in front of the pupils. They are assembled to the customer’s PD at factory, but the horizontal PD bar allows the user to fine-tune convergence. The “universal flip” feature allows the customer to transfer the telescopes to a variety of different eyewear. If worn on ophthalmic eyewear, the customer’s prescription is updated every time they purchase a new pair of glasses.

MOUNTING OPTIONS
Flip-up

LOUPE OPTIONS
HDL™ 2.5 Macro

FRAME OPTIONS
Titan

COMPATIBLE WITH …
Safety Glasses · Leded Glasses (North America only)
Ophthalmic Glasses (your own eyewear!)

SPECIFICATIONS
<table>
<thead>
<tr>
<th>Field Weight</th>
<th>Field Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0” (10.40 cm)</td>
<td>5.0” (12.70 cm)</td>
<td>2.5 oz (70.9 g)</td>
</tr>
</tbody>
</table>
**FRAMES ICONIC**

**TEMPO™**

- **Material**: Stainless Steel · Aluminum
- **Mounting Options**: Through-the-Lens
- **Sizes**: Small · Medium · Large
- **Unlimited prescriptions**

**VICTORY™**

- **Material**: Titanium
- **Mounting Options**: Through-the-Lens
- **Sizes**: Small · Medium · Large
- **Unlimited prescriptions**
FRAMES

Say goodbye to uncomfortable loupes that slide down your nose or rest on your cheeks. Orascoptic is proud to present Tempo™ Refined Fit, a loupes frame engineered to provide optimal comfort for clinicians with prominent cheekbones and a lower nose bridge. Because loupes should fit comfortably on everyone.

TEMPO™ REFINED FIT

The ideal frame height to prevent misalignment of optics caused by frames resting on the cheekbones.

A unique nose pad wire allows a comfortable and secure fit on a less pronounced nose bridge.

The optimal angle of pantoscopic tilt ensures the frame rests above the cheekbones.

MATERIAL  Stainless Steel · Aluminum

MOUNTING OPTIONS  Through-the-Lens

SIZES  Medium

16 FRAMES
**ERGOEDGE™**

**MATERIAL**  
Nylon-blend branded Grilamid

**MOUNTING OPTIONS**  
Through-the-Lens

**SIZES**  
Small · Medium

**Wide range of prescriptions, including bifocals**

---

**RYDON™**

**MATERIAL**  
Advance Carbon, Magnesium, Silicium, Grilamid, and Titanium

**MOUNTING OPTIONS**  
Through-the-Lens

**SIZES**  
One Size

**Wide range of prescriptions, including bifocals**

---

**FLAK 2.0®**

**MATERIAL**  
Oakley® O-Matter

**MOUNTING OPTIONS**  
Through-the-Lens

**SIZES**  
One Size

**Wide range of prescriptions, including bifocals**

---

Oakley® and Flak 2.0® are registered trademarks of Oakley, Inc. Used with permission.
Experience the comfort of our latest frame innovation, ErgoEdge™. This patent-pending frame includes numerous adjustable features — most notably the ability to fine-tune the declination angle of your loupes using ComforTilt™ technology. Simply loosen the screw on the inside of the temple arm to adjust the angle of your frame + or - 5 degrees. You can adjust this frame’s nose pad and temple tips to your liking and it comes with a head strap that clips directly into the temple tips for a more secure fit.
BUILD THE PERFECT LOUPE

Building your dream loupe is as easy as a few clicks. Just let us know what loupe model you’re interested in, and what frame style and color you want to mount it on, and you’re on your way!

Our easy web interface will walk you right through every step in a matter of minutes.

orascoptic.com/loupe-builder
Orascoptic was granted a U.S. patent for the optical design used in each of its headlights. This means we offer our customers a highly uniform spot with the least amount of weight in comparison to other solutions on the market (see below). With Orascoptic-exclusive technology, clinicians can flood oral and surgical sites with a more uniform distribution of light, using an optical design that is lighter weight than before — that’s a win-win!

Each Orascoptic headlight model is tested to ensure compliance with blue light testing standards set by the International Electrotechnical Commission. To learn more, visit orascoptic.com/products/headlights.

Based on results of independent third-party testing.
TruColor™ is Orascoptic’s breakthrough technology — high-color rendering index (CRI) light. TruColor enables each Orascoptic headlight system to render colors as close as possible to natural sunlight, providing a higher level of color accuracy.

TruColor represents a fundamental leap forward in loupe illumination technology. With a CRI of 90+, TruColor delivers the most precise color without sacrificing the high-quality light output, spot uniformity or battery life you expect from Orascoptic headlights.

Available across our entire line...

Spark TruColor™ · XV1 TruColor™ · Endeavour TruColor™ · Endeavour XL TruColor™

The TruColor™ ADVANTAGE

- Breakthrough color rendering
- More natural, accurate reds, yellow and whites
- Identify tissue colors, match shades
- CRI > 90 vs the current industry standard of CRI ~ 70
**HEADLIGHTS**  **LOUPE & LIGHT**

**XV1™**

*Designed with a perfect synergy between magnification and illumination,* the XV1 is the **first and only** wireless loupe and headlight in one. Employing our lightest weight headlight, this frame has no exterior cabling and draws its power from battery packs in the temple tips. The counterbalanced design enhances overall comfort.

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>Each XV1 includes power supply, charger, 4 rechargeable batteries, carrying case, 2 optical screwdrivers, cleaning cloth, curing filter.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td><strong>Weight</strong></td>
</tr>
<tr>
<td>XV1</td>
<td>5.7 oz (161.7 g)</td>
</tr>
</tbody>
</table>

All Orascopitic telescope models can be mounted on the XV1 frame.
**HEADLIGHTS CORDLESS**

**SPARK™**

The self-contained cordless headlight that integrates with virtually any loupe or eyewear frame style. Featuring an innovative, patent-pending design, the Spark dispenses weight evenly across the bridge of a frame giving you a more comfortable fit with minimal concentrated facial pressure.

- **Uniform Spot** — A precise focused light provides enhanced visibility during procedures.
- **Versatile Power Charger** — A micro USB charger offers added convenience for charging on the go.
- **Blue Light Compliant** — Maintains compliance with blue light testing standards for safety set by the International Electrotechnical Commission (IEC).
- **Advanced Capacitive Touch Controls** — Power light on and off with ease in between procedures and patient consultations.

**SPECIFICATIONS**

Each Spark package includes power supply, charger, 2 rechargeable batteries, carrying case, 2 optical screwdrivers, cleaning cloth, curing filter.

<table>
<thead>
<tr>
<th>Series</th>
<th>Battery Type</th>
<th>Weight</th>
<th>Light Intensity</th>
<th>Battery Life (2)</th>
<th>Charging Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spark</td>
<td>Lithium-ion</td>
<td>1.12 oz (31.8 g)</td>
<td>32 Lumens</td>
<td>6 hours</td>
<td>2 hours</td>
</tr>
</tbody>
</table>
HEADLIGHTS

ENDEAVOUR™

Our second generation of the Endeavour headlight, this portable system provides a precise focused beam of light that distributes light evenly across the field of view. Convenient capacitive touch controls allow you to quickly adjust light settings without reaching into your jacket pocket.

- **Uniform Spot** — The homogeneous round spot distributes light evenly across the field of view.
- **Constant-Current Technology** — Brightness will not diminish during the run-time of the battery pack.
- **Advanced Capacitive Touch Controls** — Quickly adjust light settings without having to reach into a coat or pants pocket.
- **Multiple Light Levels** — Delivers 3 light intensity levels up to 68 lumens.
- **Detachable Cable** — Lasting durability from Kevlar®-like fibers
- **Battery Enclosure** — Durability from extruded aluminum

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Series</th>
<th>Light Intensity</th>
<th>Intensity Control</th>
<th>Headlight Weight</th>
<th>Battery Type</th>
<th>Battery Weight</th>
<th>Battery Life</th>
<th>Charging Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endeavour</td>
<td>32/53/68 Lumens</td>
<td>Capacitive touch up to 68 Lumens</td>
<td>0.38 oz (10.8 g)</td>
<td>Lithium-ion</td>
<td>4.8 oz (138 g)</td>
<td>Up to 18 hours</td>
<td>Up to 3 hours</td>
</tr>
</tbody>
</table>
HEADLIGHTS

ENDEAVOUR™ XL
This patented headlight technology provides a precise beam of light that helps illuminate critical details that can often be overlooked by the naked eye. Utilizing constant-current technology, the headlight’s light output will not diminish during the run-time of the battery pack.

- **Increased Light Output** — Produces 25% brighter light output than the Orascoptic™ Endeavour™ headlight.
- **Longer Run-Time** — Seize the day with up to 24 hours of battery life.
- **Advanced Capacitive Touch Controls** — Quickly adjust light settings without having to reach into a coat or pants pocket.
- **Multiple Light Levels** — Delivers a low, medium and high light intensity level up to 85 lumens.
- **Detachable Cable** — Lasting durability from Kevlar®-like fibers
- **Battery Enclosure** — Durability from extruded aluminum

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Series</th>
<th>Light Intensity</th>
<th>Intensity Control</th>
<th>Headlight Weight</th>
<th>Battery Type</th>
<th>Battery Weight</th>
<th>Battery Life</th>
<th>Charging Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endeavour XL</td>
<td>53/68/85 Lumens</td>
<td>Capacitive touch up to 85 Lumens</td>
<td>0.38 oz (10.8 g)</td>
<td>Lithium-ion</td>
<td>7.3 oz (206 g)</td>
<td>Up to 24 hours</td>
<td>Up to 6 hours</td>
</tr>
</tbody>
</table>

25% brighter than Endeavour
25% longer battery run time than Endeavour
24-hour continuous battery life
The difference is striking. In a series of third-party lab tests, Orascoptic’s 2.5x loupes consistently outperformed the competition with superior combined scores for field width, field depth, resolution and light transmission. Most notably, our scores were outstanding in the areas that contribute most to image clarity.

Third-party testing confirms that with best in class optical resolution and best in class light transmission, Orascoptic loupes deliver the clearest image quality in the industry.

The Light Transmission Test
This test measured how much light passes through the optic to the eye. The greater the light transmission, the brighter the image which together enhances image clarity.

For the light transmission test, Orascoptic’s loupes measured:
- 40% better than Manufacturer A
- 14% better than Manufacturer B
- 20% better than Manufacturer C

To learn more about the tests, visit orascoptic.com.

Did You Know?
As our eyes age, less light reaches our retinas. Orascoptic loupes have a greater light transmission which allows you to maintain a high level of clarity and detail as you progress in your career.
NOTE: Simulated comparison of third-party lab tests conducted 2018