

# Finger Pulse Oximeter Comparison

## Nonin Onyx® Vantage 9590 versus Imports



	Onyx® Vantage 9590	MD 300C1	CMS50DL
Manufacturer	Nonin Medical	Beijing Choice	Contec Medical
Manufacturing location	Plymouth, MN, USA	Beijing, China	Qinhuangdao, China
FDA intended use	FDA cleared for use by healthcare providers as a Class 2 medical device	Unknown	Unknown
Warranty	4-year warranty	1-year limited warranty	1-year limited warranty
Customer service and technical support	Plymouth, MN, USA or Amsterdam, the Netherlands	Beijing, China or through internet distributors	Qinhuangdao, China or through internet distributors
Accuracy claims in low perfusion	Yes	No	No
Accuracy claims in dark skin tones	Yes	No	No
SpO <sub>2</sub> accuracy	± 2 digits	± 3 digits	± 2 digits
Lead free*	Lead Free	Contains Lead-Rich Components	Contains Lead-Rich Components
RoHS** compliant	Yes	No	No
Certified latex free	Yes	Unknown	Unknown
Alcohol wipe stability	Yes	Unknown	Unknown
Durability (Number of drops from 3 feet onto a hard surface)	50 times	Unknown	Unknown
Fingertip range from pediatric to adult (8mm to 25.4mm or 0.3" to 1.0")	Yes Finger thickness: (8mm to 25.4mm or 0.3" to 1.0")	No***	No***
Manufacturer provides published independent proof sources for claims	Yes	No	No

\* Nonin commissioned an independent test lab to analyze the lead content in several finger pulse oximeters. The results showed that imports from two leading Chinese manufacturers contained "lead-rich components." Nonin Medical's products were lead free.

\*\* Restriction of Hazardous Substances Directive (RoHS) is the restriction of the use of certain hazardous substances in electrical and electronic equipment regulation.

\*\*\* Claim pediatric usage but data on file at Nonin indicates product will not work on all pediatric patients.

# Nonin Competitive Comparison Video



Download this 1½ minute video to demonstrate Nonin Medical's performance versus the imported oximeters.

[onyxvantage.com/why-onyx.htm](http://onyxvantage.com/why-onyx.htm)



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