



211 Spangler Ave.  
Elmhurst, IL 60126  
Phone: 1-800-401-2320 Ext. 1  
Fax: 1-630-942-8462  
[www.testrods.com](http://www.testrods.com)

## CERTIFICATE OF COMPLIANCE

Regal Packaging Services Inc., as a supplier of set products, testifies that the balls used are certified as being accurate in size and type (Grade 200 or better) and are traceable to the NIST standard (681/280800-11) applicable for this industry. Each lot is verified to produce an appropriate metal detector signal proportional to the metal sphere size/type and detector phase settings. The metal detector signal produced from these products does not deteriorate over time and our certificates do not expire. All items are approved for food contact in accordance with the FDA, Title 21 CFR 177.

TYPE	SIZE	CERTIFICATE
Ferrous (Chrome Steel 52100)*	3.2 mm	49A.A

\* All tolerances are grade 200 or better

Grade	Size Range [in]	Lot Diameter Variation [in]	Nominal Ball Diameter Tolerance [in]	Maximum Surface Roughness (Ra) [in]
200	-0.006-10	0.0002	+/-0.001	8.00

### Composition

Carbon	0.95 – 1.10%
Manganese	0.2 - 0.45%
Silicon	0.25 – 0.35%
Phosphorous	0.025% Max
Sulfur	0.025% Max
Chromium	1.30 – 1.60%
Ferrite	Balance

Brian P. Kiel  
QA Manager  
Cert. Date Jan 31, 2015