

U. S. DEPARTMENT OF COMMERCE

National Bureau of Standards

Certificate of Analyses

OF

STANDARD SAMPLE 53A

LEAD-BASE BEARING METAL

Analyst	Lead	Antimony	Tin	Arsenic	Bismuth	Iron	Copper	Nickel	Silver	Zinc
1	79.35	$\left\{ \begin{array}{l} \text{a } 10.28 \\ \text{b } 10.34 \end{array} \right.$	$\left\{ \begin{array}{l} \text{a } 10.22 \\ \text{b } 10.12 \end{array} \right.$	0.070	0.050	0.006	0.002	0.005	0.005	{Not detected.
2	79.44									
	79.25	10.38	10.27		.05		.003			
	79.41	10.30	10.18	.075	.05	.005	.002	.007		{Not detected.
5	79.50	10.22	10.13	.070	.053	.009	.004	.005		
6	^c 79.34	10.24	10.23	.053	.060	.004	.002	.007	.007	
7	^d 79.36	10.24	10.25	.07	.06	.007	.002	.006	.007	
8	79.29	10.31	10.32	.072	.055	.006	< .005	.005		
Average	79.37	10.29	10.23	0.069	0.054	0.006	0.002	0.006	0.006	

^a Distillation method, see methods used at the National Bureau of Standards.

^b Direct method, see methods used at the National Bureau of Standards.

^c By difference.

^d By difference.

Value of 79.27% of lead obtained by method of analyst 1.

LIST OF ANALYSTS

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LYMAN J. BRIGGS,
Director.

Washington, D. C.
July 24, 1939