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Supporting information for article:

High-precision f.c.c.–h.c.p. volume-change determination in high-Mn steels by X-ray diffraction data refinements

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Table S1: Refined and certified lattice parameters of NIST 1976a standard reference material (Al_2O_3).

Refined parameters		Certified parameters	
<i>a</i>	<i>c</i>	<i>a</i>	<i>c</i>
4.7588(1)	12.9929(2)	4.758877(11)	12.992877(16)

Figure S1: FullFit refinement of NIST 1976a standard reference material.

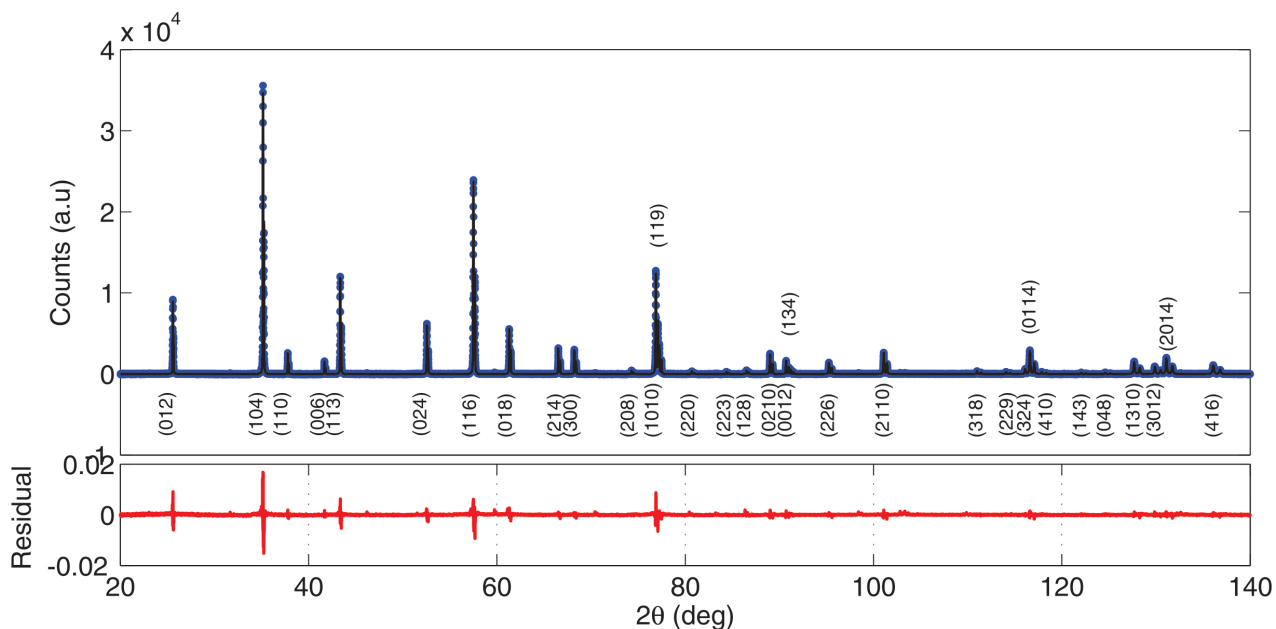


Figure S2: Detailed view of the measured and refined data of NIST 1976a standard reference material for different 2θ ranges: a) low angle (104) peak, b) middle angle (1010) and (119) peaks, and c) high angle (229) peak.

