



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 50602-2010**

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**Radiographic testing standard for a single exposure with  $\gamma$ -ray  
technique of spherical tank installation**

球形储罐 $\gamma$ 射线全景曝光现场检测标准

**(English Translation)**

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### What this standard covers

This standard applies to  $\gamma$ -ray exposure panoramic field testing and evaluation of welds, nominal thickness of 10mm-100mm, applicable nominal volume 50m<sup>3</sup>-10000m<sup>3</sup>, made of carbon steel, low alloy steel, stainless steel tank. According to steel spherical tanks (hereinafter referred to as tank)  $\gamma$ -ray panoramic exposure characteristics. To ensure the quality of tank detection, the development of this standard. This standard does not apply to tank by nuclear radiation effects, non-fixed (such as a car or ship) of the tank, tank expansion tank and double-shell shaped structure. This standard  $\gamma$ -ray detection technology level should not be lower than the current industry standard "non-destructive testing of pressure equipment-Part 2: Ray Detection". JB/T 4730 2-2005 in AB grade requirements.

### Document data

Chinese classification (CCS): P71.

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### Standards quoted by this document

GB/T 14058; GB 18465; GB 18871; GB/T 19348.1; JB/T 4730.2; JB/T 6220; JB/T 7902; JB/T 7903; GB 11533; GB 50094