## IDENTIRICATION

－A．identification Tests－Genliral，Acetate＜191〉
Sample： 100 mL of Acetic Acid Irrigation
Analysis：Evaporate the Sample to about 10 mL ．
Acceptance criteria：The resulting solution meets the requirements．

## ASSAY

－PROCEDURE
Sample： 50 mL of Acetic Acid Irrigation
Analysis：Pipet the Sample into a $150-\mathrm{mL}$ conical flask， add 2 drops of phenolphthalein TS，and titrate with 0.1 N sodium hydroxide VS．Each mL of 0.1 N sodium hy－ droxide is equivalent to 6.005 mg of acetic acid $\left(\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{O}_{2}\right)$ ．
Acceptance criteria： $237.5-262.5 \mathrm{mg}$ of $\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{O}_{2}$ in each 100 mL of Acetic Acid Irrigation

## SPECPRC TESTS

－ $\operatorname{PH}\langle 791\rangle: 2.8-3.4$
－Bacterial endotoxins Test（85）：It contains NMT 0.5 USP Endotoxin Unit／mL
－Other Requirements：It meets the requirements under Injections and implanted Drug Products $\langle 1\rangle$ ，except that the container in which it is packaged may be designed to empty rapidly and may exceed 1000 mL in capacity．

## ADDITIONAL REQURREMENTS

－Packaging and \＄torace：Preserve in single－dose contain－ ers，preferably of Type｜or Type｜｜glass，and store at controlled room temperature．It may be packaged in suit－ able plastic containers．

## Delete lhe following

## － S SD REEERENCE STANDARDS（111）

USP Endotoxin RS
－（CN M Max $20: 8$

## Acetic Acid Otic Solution

## DEFINITION

Acetic Acid Otic Solution is a solution of Glacial Acetic Acid in a suitable nonaqueous solvent．It contains NLT 85．0\％ and NMT $130.0 \%$ of the labeled amount of $\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{O}_{2}$ ．

## IDENTHRCATION

－A．
Sample solution：Dilute 5 mL of Acetic Acid Otic Solu－ tion with 10 mL of water．
Analysis：Adjust the Sample solution with 1 N sodium hydroxide to a pH of 7．Add ferric chloride TS．
Acceptance criteria：A deep red color is produced，and it is destroyed by the addition of hydrochloric acid．
－属。
Analysis：Warm it with sulfuric acid and alcohol． Acceptance criteria：Ethyl acetate，recognizable by its characteristic odor，is evolved．

## ASSAM

## －procedure

Sample：A quantity of Acetic Acid Otic Solution con－ taining 100 mg of glacial acetic acid
Analysis：Transfer the Sample to a $250-\mathrm{mL}$ conical flask， and add 5 mL of saturated sodium chloride solution， 40 mL of water，and 3 drops of phenolphthalein TS．Ti－ trate with 0.1 N sodium hydroxide VS to a faint pink endpoint．Each mL of 0.1 N sodium hydroxide is equiv－ alent to 6.005 mg of acetic acid $\left(\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{O}_{2}\right)$ ．

Acceptance criteria：85．0\％－130．0\％

## SPECIFIC TESTS

－P聞 $\langle 791\rangle$
Sample solution：Acetic Acid Otic Solution and water （1：1）
Acceptance criteria： $2.0-4.0$

## ADDITIONAL REQUREMENTS

－Packaging and Storage：Preserve in tight containers， and store at controlled room temperature．

## Acetolhydroxamic Acid


$\mathrm{C}_{2} \mathrm{H}_{5} \mathrm{NO}_{2}$
N －Acetyl hydroxyacetamide；
Acetohydroxamic acid［546－88－3］．

## DEPINITION

Acetohydroxamic Acid，dried over phosphorus pentoxide for 16 h ，contains NLT 98．0\％and NMT 101．0\％of acetohy－ droxamic acid（ $\mathrm{C}_{2} \mathrm{H}_{5} \mathrm{NO}_{2}$ ）．

## IDENTIFICATION

－A．Infrared Absorption 〈197K〉
－ 8 ．
Sample solution： $20 \mathrm{mg} / \mathrm{mL}$ in water
Analysis：To 10 mL of the Sample solution add 2 drops of potassium permanganate $T S$ ．
Acceptance criteria：The pink color of the permanga－ nate disappears．

## Assay

－Procedure
Ferric chloride solution： $20 \mathrm{mg} / \mathrm{mL}$ of ferric chloride in 0.1 N hydrochloric acid

Standard solution： $500 \mu \mathrm{~g} / \mathrm{mL}$ of USP Acetohydroxa－ mic Acid RS in 0.1 N hydrochloric acid
Sample solution： $500 \mu \mathrm{~g} / \mathrm{mL}$ of Acetohydroxamic Acid， previously dried，in 0.1 N hydrochloric acid
Blank： 0.1 N hydrochloric acid
Analysis
Samples：Standard solutions，Sample solution，and Blank Transfer 10.0 mL each of the Standard solution，Sample solution，and Blank to separate $100-\mathrm{mL}$ volumetric flasks．To each flask add 50 mL of 0.1 N hydrochloric acid and 10.0 mL of Ferric chloride solution，and dilute with 0.1 N hydrochloric acid to volume．Without de－ lay，concomitantly determine the absorbances of the solutions at the wavelength of maximum absorbance at about 502 nm using the Blank to set the instrument．
Calculate the percentage of acetohydroxamic acid $\left(\mathrm{C}_{2} \mathrm{H}_{5} \mathrm{NO}_{2}\right)$ in the portion of Acetohydroxamic Acid taken：

$$
\text { Result }=\left(A_{U} / A_{S}\right) \times\left(C_{S} / C_{U}\right) \times 100
$$

$A_{u} \quad=$ absorbance of the Sample solution
$A_{s}=$ absorbance of the Standard solution
$C_{S}=$ concentration of USP Acetohydroxamic Acid
RS in the Standard solution $(\mu \mathrm{g} / \mathrm{mL})$
$C_{U}=$ concentration of Acetohydroxamic Acid in the Sample solution（ $\mu \mathrm{g} / \mathrm{mL}$ ）
Acceptance criteria： $98.0 \%-101.0 \%$ on the previously dried basis

