

## APPENDIX

### 1. Drugs

<b>STV</b>	-	Stavudine
<b>LMV</b>	-	Lamivudine
<b>ZDV</b>	-	Zidovudine
<b>EFZ</b>	-	Efivareinz

### 2. Chemicals and Reagents

<b>MBTH</b>	:	3-methyl-2-benzathiazolinone hydrazone
<b>Ce(IV)</b>	:	Ceric ammonium sulphate
<b>IBDA</b>	;	Idoso benzene diacetate
<b>Fe(III)</b>	:	Ferric chloride
<b>4-AP</b>	:	4-aminophenazone
<b>NaIO<sub>4</sub></b>	:	Sodium metaperiodate
<b>Brucine</b>	:	Brucine
<b>PHH</b>	:	Phenyl hydrazine hydrochloride
<b>K<sub>3</sub>[Fe(CN)<sub>6</sub>]</b>	:	Potassium ferricyanide
<b>AV</b>	:	Ammonium Vanidate
<b>H<sub>2</sub>SO<sub>4</sub></b>	:	Sulphuric acid
<b>O-Phen</b>	:	o-Phenanthroline
<b>ISA</b>	:	Isatin
<b>Van</b>	:	Vanillin
<b>NQS</b>	:	1,2-Naphthaquinone sulphonic acid sodium salt
<b>NaNO<sub>2</sub></b>	:	Sodium nitrite.

<b>PGNL</b>	:	Phloroglucinol
<b>RSNL</b>	:	Resorcinol

### 3. Combination of Chemicals used as reagents in proposed Methods

<b><u>Method</u></b>		<b><u>Reagent Combination used</u></b>
<b>M<sub>1a</sub></b>	:	MBTH - IBDA
<b>M<sub>1b</sub></b>	:	MBTH – Ce(IV)
<b>M<sub>1c</sub></b>	:	MBTH - IO <sub>4</sub> <sup>-</sup>
<b>M<sub>2</sub></b>	:	IO <sub>4</sub> <sup>-</sup> /PHH/[Fe(CN) <sub>6</sub> ] <sup>-3</sup>
<b>M<sub>3</sub></b>	:	Brucine-IO <sub>4</sub> <sup>-</sup>
<b>M<sub>4</sub></b>	:	Fe(III) – o-Phen
<b>M<sub>5</sub></b>	:	AV-H <sub>2</sub> SO <sub>4</sub>
<b>M<sub>6</sub></b>	:	Fe(III)/[Fe(CN) <sub>6</sub> ] <sup>-3</sup>
<b>M<sub>7</sub></b>	:	Isatin-H <sub>2</sub> SO <sub>4</sub>
<b>M<sub>8</sub></b>	:	Vanillin-H <sub>2</sub> SO <sub>4</sub>
<b>M<sub>9</sub></b>	:	NQS
<b>M<sub>10</sub></b>	:	PCA
<b>M<sub>11a</sub></b>	:	TPooo
<b>M<sub>11b</sub></b>	:	ARS
<b>M<sub>12a</sub></b>	:	PGNL- NaNO <sub>2</sub>
<b>M<sub>12b</sub></b>	:	RSNL- NaNO <sub>2</sub>

#### 4. Symbols:

$\lambda_{\max}$	:	Wavelength of maximum absorption
$\epsilon_{\max}$	:	Molar absorptivity
<b>b</b>	:	Slope
<b>a</b>	:	Intercept
$s_b$	:	Standard deviation on slope
$s_a$	:	Standard deviation on intercept
$s_c$	:	Standard error on estimation
<b>r</b>	:	Correlation coefficient
$^{\circ}\text{C}$	:	Degree Centigrade
<b>M</b>	:	Molar
<b>g</b>	:	Gram
$\mu\text{g}$	:	microgram
<b>mL</b>	:	milliliter
<b>mg</b>	:	milligram
<b>%</b>	:	percentage
<b>&gt;</b>	:	greater than
<b>&lt;</b>	:	less than
<b>min</b>	:	minutes
<b>hr</b>	:	Hours
<b>temp</b>	:	Temperature
<b>%RSD</b>	:	Percent Relative Standard Deviation
<b>Fig.</b>	:	Figure
<b>HPLC</b>	:	High performance liquid chromatography
<b>TLC</b>	:	Thin layer chromatography
<b>UV</b>	:	Ultraviolet
<b>MS</b>	;	Mass Spectrometry
<b>IR</b>	:	<b>Infrared spectroscopy</b>
<b>VS</b>	:	<b>Visible spectroscopy</b>
<b>HPTLC</b>	:	<b>High performance thin layer Chromatography</b>
<b>TLC / MS</b>	:	<b>Thin layer Chromatography / Mass spectroscopy</b>