	Date
Expt. No06	Page No
Aim! Swarnarel	
Prepare and submit ora	1 Tehydration salt (ORS)
powder IP 2007 (WH	0 2005) for and oral
stehydration solution	1 litre.
Reference:	
Dr. AA Hajare "Practic	al book of physical pharmaceutics
	ali Publication 2019, page no.
7.5 - 7.6.	
Requirements:	
a) Chemical: Sodium chlori	de, potassium chloride, alucose,
Sodium citra	Je.
b) Glasewases/Apparatus: 1	Mostar and pestle, weighing
balance, S	Mostar and pestle, weighing patula, Butter paper, polybags.
Theory!	
Administration of fluid	and electrolytes by mouth
to prevent or freat of	dehydration due to acute
dig xxhood disposes in	known as oral rehydration
Heroby Auster diarr	hoea leads to loss of
alle of harden and	salts and unless these
essential value grapher	ed dehadration will develop.
Don't adequately there	ed dehydration will develop. by does not stop diarshoea.
usal sengascorph City	
	Teacher's Signature

Ingrediend	Standard	Working	Role of ingredient
	formula	formula	V 4008 TELESTER STORY
The second secon	No. 1. Consider the size of th	(4)	Sodium replace the
Sodium	12.633 1.	2.5.44	Toss of essential elements
Chloride		31.4	indias shoea and vomiting.
Crlucose.	65.2541	13.5	Columbia facilitates
	cation son	1.9/4	absorption wo sodium and
			heng water.
Potassium	7.3171.	1.99/1	It also suppose the
Chloride			loss of essential element
			in dia whose and vomiting.
Sodium	14.1961.	2.59/1	Citrate cosseds the
Citrate			autisus that occurs
			due to colorshoea and
la se financia de la constante	8 1423 L		dehydration solution.
	As4 23428		

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Date				
Duie	ALCOHOL: SALE	THE RESERVED	0.00	

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but the diarrhoea continues for only a limited time. The universal oral rehydration salts are recommended by the WHO (world Health Organization) and UNICEF (The United Nations Children's Fund) is a united Nations programme as prescribed in this experiment.

ORS is day mixture of sodium chloride, Potassium chloride, glucose anhy drows and trisodium citrate, dehydrateen or sodium bicarbonate. ORS is the non-proprietary name for a balanced glucose electrolyte mixture first used in 1369 and approved recommended and distributed by UNICEF and WHO as a doug for the treatment of clinical dehydration throughout the world, In 1984, another mixture containing trisodium citrate instead of sodium, hydrogen rarbonate (sodium bicarbonate) was developed with the aim of improving the stability of ORC in hot and humid climates. For more than 20 years, WHO and unicef have recommended this single formulation of ORS to prevent sor treat dehydration from diarrhoea Irrespective of that cause or age group affected. This product, which provides a solution containing 90 m Eg/L of sodium with a total somolarity of 311 mol/L, has proven effective and without apparent adverse effects in worldwide use . Belause of the improved effectiveness of reduced osmolority of ORS

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solution (245 mos mol/L). WHO and recommended that countries sholt she above new formula for use and manufadiarshoea of all etiologies and in a	onld be use the cture for
· Criucose facilitates the absorption of hence water) on a 1.1 molar mass small intestine, sodium and potassium to replace the body looses of these during diarrhoea (and vomiting), dima the acidosis that occurs because and dehydration. Procedure: (i) Clear all the alambare and dry the	basis in the n are needed e essential ions te corrects of diarshoea
(i) Clean all the glassware and dry the per sop. (ii) Accurately weight each ingredient property the powders in order of bulk stop.	bealy incorposate with
potassium chloride followed by sod and final at anhydrous glucose in pate each addition upon a quantity doubles the bulk already in the	that approximately
Result:	
Oral rehydration solution was & such prepared and submitted. Teacher's Signature of Signature o	cessfully
Teacher's Signatur	e