



## *Determination Of % Available Chlorine In Bleaching Powder*

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### *Aim*

*To determine the available chlorine in the given sample of bleaching powder by the iodometric method.*



### Introduction

- ❖ Bleaching powder, also known as chlorinated lime
- ❖ yellowish-white powder having a smell of chlorine and is readily soluble in water
- ❖ It is prepared by passing chlorine gas over slaked lime at a temperature of 35-45° and consists of a mixture of calcium hypochlorite  $\text{Ca}(\text{OCl}_2)$  and calcium chloride  $\text{CaCl}_2$ , in addition some amount of free slaked lime i.e.  $\text{Ca}(\text{OH})_2 \cdot \text{H}_2\text{O}$  is generally present
- ❖  $\text{Ca}(\text{OCl}_2)$  is responsible for the bleaching action of bleaching powder. On treatment with glacial acetic acid, it liberates chlorine gas ( $\text{Cl}_2$ ) as per the following reaction.



- ❖ The amount of chlorine liberated by the action of an acid on bleaching powder ( $\text{CaOCl}_2$ ) is termed as available chlorine. The chlorine content of bleaching powder varies from 35 – 40%.



- ❖ bleaching powder also have strong germicidal and disinfectant properties.
- ❖ It finds application as a disinfectant for drinking water or swimming pool water.

# Determination Of Available Chlorine In Bleaching Solution

**Evelyn M. Rattenbury**



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Gesellschaft in Zürich, 1861      **Laboratory Methods of the United States Army** United States. Surgeon-General's Office, 1919      *Chemistry: for B.Sc. Students Semester II (NEP-2020 KSHEC)* R L Madan, This textbook has been conceptualised for universities of Karnataka as per the recommended National Education Policy NEP 2020 to meet the needs of B Sc students of Chemistry Maintaining the traditional approach to the subject this textbook lucidly explains the basics of Inorganic and Physical Chemistry Important topics such as atomic structure periodicity of elements kinetic theory of gases liquid state liquid crystals and types of solids are aptly discussed to give an overview of inorganic and physical chemistry Laboratory work 33 experiments has also been included to help students achieve sound conceptual understanding and learn experimental procedures

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web justice m l joseph francis dated 28 07 2011 o r d e r was filed for specific performance of the agreement allegedly entered into between the appellants and the respondents dated 2 8 2010 i a no 1405 2011 was filed for temporary injunction the operation was over on fao 183 2011 2 28 5 2011 respondents filed ia no

### **grant of officiating pay and allowances to selection grade officials - Sep 04 2023**

web jul 30 2020 in this context we would like to draw your kind attention towards para 6 of directorate letter no 137 64 2010 spb ii dated 28 07 2011 which directs for officiating arrangements in such cases in accordance with rule 27 or rule 50 of postal manual volume iv or as per the instructions of dop t and ministry of finance and

### **r thamaraiselvan vs government of tamil nadu on 28 july 2011 - Jul 22 2022**

web oct 2 2015 in w p no 31673 2014 filed by mr g ramamoorthy apart from challenge made to g o ms no 423 dated 28 07 2011 referred to supra g o ms no 451 dated 11 08 2011 passed by the very same department constituting special courts in certain districts to exclusively conduct trial of land grabbing cases under the code of criminal procedure

### **national council for teacher education - Sep 23 2022**

web nov 4 2023 gazette notification dated 23rd august 2010 gazette notification dated 29th july 2011 gazette notification dated 12th november 2014 amended gazette notification dated 28th june 2018 amended gazette notification dated 13th november 2019 amended gazette notification no 459 dated 13th october 2021

### **grant of officiating pay and allowances to selection grade - May 20 2022**

web d g posts no 137 64 2010 spb ii dated 28th july 2011 i am directed to say that the matter regarding grant of officiating pay to selection grade officials who held the selection grade posts on officiating basis has been under consideration in consultation with estt branch of the department

### **reserve bank of india notifications - Mar 18 2022**

web dec 28 2011 idmd pcd 14 14 03 07 2011 12 december 28 2011 all market participants dear sir madam secondary market transactions in government securities short selling this has reference to circulars idmd 03 11 01 01 b 2005 06 dated february 28 2006 rbi 2006 07 243 dated january 31 2007 and idmd dod 3165

### **today episode dated 28 september 2011 tv episode 2011 imdb - Jun 20 2022**

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### **today episode dated 28 july 2011 tv episode 2011 imdb - Dec 27 2022**

web imdb is the world s most popular and authoritative source for movie tv and celebrity content find ratings and reviews for the newest movie and tv shows get personalized recommendations and learn where to watch across hundreds of streaming providers

### **grant of officiating pay and allowances to selection grade posts - Aug 03 2023**

web postal directorate d g posts no 137 64 2010 spb ii dated 28th july 2011 i am directed to say that the matter regarding



## **Determination Of Available Chlorine In Bleaching Solution**

grant of officiating pay to selection grade officials who held the selection grade posts on officiating basis has been under consideration in consultation with estt branch of the department

**antony joseph vs state of kerala on 28 july 2011 indian kanoon** - Apr 30 2023

web justice k t sankaran dated 28 07 2011 o r d e r k t sankaran j bail appln no 5549 of 2011 dated this the 28th day of july 2011 order this is an application for anticipatory bail under section 438 of the code of criminal procedure

**hyderabad 500 004 vs andhra pradesh 38 to 50 2011 dated** - Jan 28 2023

web ap 505 001 commissioner of central excise customs and service tax hyderabad iii opp lb stadium road basheerbagh

hyderabad 500 004 andhra pradesh 49 2011 dated 28 07 2011 19 st 2931 2011 n sridhara reddy h no 2 10 196 jyothinagar

karimnagar dist ap 505 001 commissioner of central excise customs and service tax hyderabad

**government of andhra pradesh abstract** - Jun 01 2023

web dated 28 07 2011 read the following g o ms no 53 higher education ec dept dt 10 5 2006 g o ms no 62 higher education ec dept dt 26 5 2006 g o ms no 124 higher education ec 2 dept dt 19 8 2006 g o ms no 191 higher education ec dept dt 6 10 2007 g o ms no 68 higher education ec dept dt 10 7 2008