## Physical Metallurgy & Metallography Laboratory

daboratory Report

Experiment - 4

## Cold and hot mounting of specimens

Date of performance asliotabal Roll NO: - 205166

Cold Mounting:

where wife of a fitting the form with the

Procedure: -

- 1. first take the mounting cups.
- 2. Spray the mounting cups with both parts
- 3. Take the sample specimen and it should cleaned.
- 4. place the specimen in the mounting Exp.

mounting cup.

a cona's

6. Take the epony resin and sograms of the liquid

and 6 grams of Aka-cure 1 slow

5. place the specimen exactly at the middle of

7. Take the all in beaker, and mine if well slowly in 3 minutes,

8. pour the resin the mounting cup

9. It will take time 8 to 24 hours

10. After that take mounting cups from resin.

Precaution:

1. Wear proper apron and gloves, thereast on the

will glid you so with soul ?

化鞣 医二苯甲基酚酚环 网络 医瞳孔 经国际股票 "我睡,我的孩子,我

2. Min correct ratio of epony restrictedly

Hot - Mounting

Procedure .-

1. Take the first Automatic not mounting presses.

a. check the healing, Force and cooling settings are correct

The same with a second way willing the

3. Take the sample and keep ent on the stage.

q. place the sample Exactly at the middle of the stage you want to polish pointing down.

5. Press down arrow It will go lower the sample

6. Keep the funnel on the stage pour the clave tout

with help of big scoop of resen.

7. For a second sample use this stage Apply glove stick

on the stage.

8. Apply Antistek to the stde of one stage

9. keep it on the first sample. 10. Again pour the class fast with help of big scoop of resing principles and stonescoped and in the 11. Now fight the cap turn anticlock until you hear a click Highten clockwise id. once light, bosen, by 14 teen anticlockwise. 13. See the setting carefully keep the temperature 180°c and press the Start button. of the House state and a 14. The hot mounting is completed if both lights are e you in as front in your d off. with the second of the second of the 15. Take the sample out. Precaution, -Section of the 1. Avoid creation of dust a do not breath any dust by the mounting media.

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nier jalieten Lis magen

cold Mounting! -

Advantages!

- things you would be a second 1. cold mounting is used for specimens that may be damaged by heat or pressule.
- 2. The heat generation can be controlled by the use of 9ce or wool our blow setting.

Disdvantages!.

1. Time taken process appromately 8 - ay hours

Hor Mounting

advantages :-1. The requirements include less expensive, uniform size

and shape.

a. Hot mounting takes place under pressure in a mounting press, where the specimen is placed in a cylinder together.

disadvantages 1. Glue makes the sample opaque a. sample can only be partially rotated. Environmental hazardi mounting restin! Epony resins Acrylic resins Methyl - Metha englate cold mounting resin polyester Eold mounting ruin word amount of agreement in the wife of and they records to the war on the state of the state of the state of municipal substitution to the franchist of the second of the