

# Zadyma Desitka

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- Gravity **9.3 BLG**
- ABV **3.6 %**
- IBU **31**
- SRM **3**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **26.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **12.5 liter(s)**
- Total mash volume **16.3 liter(s)**

## Steps

- Temp **55 C**, Time **1 min**
- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **12.5 liter(s)** of strike water to **60.3C**
- Add grains
- Keep mash **1 min** at **55C**
- Keep mash **40 min** at **66C**
- Keep mash **40 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **18.2 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

## Fermentables

| Type  | Name                  | Amount          | Yield | EBC |
|-------|-----------------------|-----------------|-------|-----|
| Grain | Weyermann - Grodziski | 1.83 kg (48.3%) | 80 %  | 4   |
| Grain | Rauch Malt (Germany)  | 0.75 kg (19.8%) | 81 %  | 4   |
| Grain | Weyermann - Carapils  | 0.46 kg (12.1%) | 78 %  | 4   |
| Grain | Pszeniczny            | 0.75 kg (19.8%) | 85 %  | 4   |

## Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Magnum                | 17 g   | 60 min | 13 %       |
| Boil    | Lublin (Lubelski)     | 15 g   | 30 min | 3.5 %      |
| Boil    | Saaz (Czech Republic) | 20 g   | 1 min  | 3.6 %      |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew S-33 | Ale  | Dry  | 11.5 g | Safbrew    |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 5 g    | Boil    | 15 min |