

# Grodziskie z gruszką

- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **13**
- SRM **3.2**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

## Fermentables

| Type  | Name                  | Amount      | Yield | EBC |
|-------|-----------------------|-------------|-------|-----|
| Grain | Weyermann - Grodziski | 4 kg (100%) | 80 %  | 4   |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | lunga | 10 g   | 60 min | 11 %       |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale  | Dry  | 1 g    | ---        |

## Extras

| Type   | Name            | Amount | Use for   | Time     |
|--------|-----------------|--------|-----------|----------|
| Flavor | Gruszka wędzona | 500 g  | Secondary | 7 day(s) |

## Notes

- +2 litry do zacierania  
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