

# Golden Ale 2024

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **31**
- SRM **3.3**
- Style **Blonde Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **75 min**
- Evaporation rate **15 %/h**
- Boil size **28.5 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **53 C**, Time **5 min**
- Temp **64 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **13.5 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **5 min** at **53C**
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **72C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **28.5 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount        | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński | 4.5 kg (100%) | 80 %  | 4   |

## Hops

| Use for   | Name              | Amount | Time   | Alpha acid |
|-----------|-------------------|--------|--------|------------|
| Boil      | Magnum            | 20 g   | 50 min | 11.5 %     |
| Boil      | Lublin (Lubelski) | 20 g   | 10 min | 3.5 %      |
| Whirlpool | Cenntennial       | 20 g   | 10 min | 8.9 %      |
| Whirlpool | Lublin (Lubelski) | 20 g   | 10 min | 3.5 %      |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|---|------|------|--------|------------|
| Lallemand - LalBrew American East Coast - New England | Ale  | Dry  | 11 g   | Lallemand  |