

# prima1

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **23**
- SRM **3.6**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **1500 liter(s)**
- Trub loss **5 %**
- Size with trub loss **1575 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **1811.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **1011 liter(s)**
- Total mash volume **1348 liter(s)**

## Fermentables

| Type  | Name                              | Amount         | Yield | EBC |
|-------|-----------------------------------|----------------|-------|-----|
| Grain | Pszeniczny                        | 175 kg (51.9%) | 85 %  | 4   |
| Grain | Weyermann - Bohemian Pilsner Malt | 150 kg (44.5%) | 81 %  | 4   |
| Grain | Weyermann - Acidulated Malt       | 6 kg (1.8%)    | 80 %  | 6   |
| Grain | Carahell                          | 6 kg (1.8%)    | 77 %  | 26  |

## Hops

| Use for   | Name       | Amount | Time     | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil      | Centennial | 200 g  | 60 min   | 10.5 %     |
| Boil      | Amarillo   | 100 g  | 60 min   | 9.5 %      |
| Boil      | Centennial | 150 g  | 50 min   | 10.5 %     |
| Boil      | Amarillo   | 100 g  | 50 min   | 9.5 %      |
| Boil      | Centennial | 150 g  | 40 min   | 10.5 %     |
| Boil      | Amarillo   | 100 g  | 40 min   | 9.5 %      |
| Boil      | Amarillo   | 50 g   | 20 min   | 9.5 %      |
| Boil      | Centennial | 50 g   | 20 min   | 10.5 %     |
| Boil      | Citra      | 50 g   | 20 min   | 12 %       |
| Boil      | Amarillo   | 70 g   | 10 min   | 9.5 %      |
| Boil      | Centennial | 70 g   | 10 min   | 10.5 %     |
| Boil      | Citra      | 70 g   | 10 min   | 12 %       |
| Whirlpool | Amarillo   | 300 g  | 20 min   | 9.5 %      |
| Whirlpool | Citra      | 800 g  | 20 min   | 12 %       |
| Whirlpool | Centennial | 600 g  | 20 min   | 10.5 %     |
| Dry Hop   | Amarillo   | 800 g  | 5 day(s) | 9.5 %      |
| Dry Hop   | Citra      | 800 g  | 5 day(s) | 12 %       |

|         |            |       |          |        |
|---------|------------|-------|----------|--------|
| Dry Hop | Centennial | 800 g | 5 day(s) | 10.5 % |
|---------|------------|-------|----------|--------|

## Yeasts

| Name            | Type | Form | Amount | Laboratory |
|-----------------|------|------|--------|------------|
| fermentis us-05 | Ale  | Dry  | 900 g  | ---        |