

## Pani Olga

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **34**
- SRM **11.1**
- Style **American Wheat or Rye Beer**

### Batch size

- Expected quantity of finished beer **19.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **20.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.6 liter(s)**

### Fermentables

| Type           | Name                                | Amount         | Yield | EBC |
|----------------|-------------------------------------|----------------|-------|-----|
| Liquid Extract | Bruntal ekstrakt słodowy pszeniczny | 1.7 kg (46.2%) | 80 %  | 30  |
| Liquid Extract | Bruntal Pale Ale                    | 1.7 kg (46.2%) | 80 %  | 35  |
| Liquid Extract | WES ekstrakt słodowy pszeniczny     | 0.14 kg (3.8%) | 80 %  | 60  |
| Liquid Extract | ekstrakt kukurydziany               | 0.14 kg (3.8%) | 80 %  | 70  |

### Hops

| Use for             | Name     | Amount | Time      | Alpha acid |
|---------------------|----------|--------|-----------|------------|
| Boil                | Perle    | 13 g   | 60 min    | 7 %        |
| Boil                | Perle    | 5 g    | 30 min    | 7 %        |
| Boil                | Amarillo | 10 g   | 15 min    | 9.5 %      |
| Boil                | Citra    | 8 g    | 15 min    | 14.2 %     |
| Boil                | Cascade  | 3 g    | 15 min    | 6 %        |
| Boil                | Mosaic   | 5 g    | 10 min    | 11.8 %     |
| Boil                | Cascade  | 5 g    | 10 min    | 6 %        |
| Aroma (end of boil) | Amarillo | 5 g    | 5 min     | 9.5 %      |
| Aroma (end of boil) | Mosaic   | 5 g    | 5 min     | 11.8 %     |
| Aroma (end of boil) | Citra    | 5 g    | 5 min     | 14.2 %     |
| Aroma (end of boil) | Cascade  | 5 g    | 5 min     | 6 %        |
| Dry Hop             | Citra    | 19 g   | 10 day(s) | 14.2 %     |
| Dry Hop             | Perle    | 24 g   | 10 day(s) | 7 %        |
| Dry Hop             | Amarillo | 20 g   | 10 day(s) | 9.5 %      |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale K-97 | Ale  | Dry  | 11.5 g | Fermentis  |